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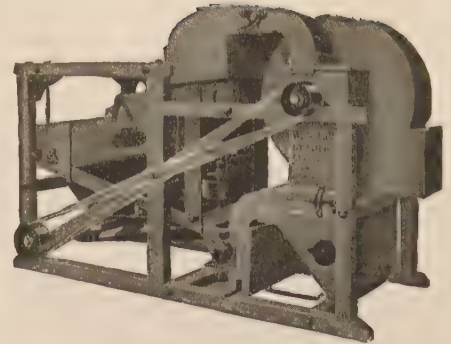
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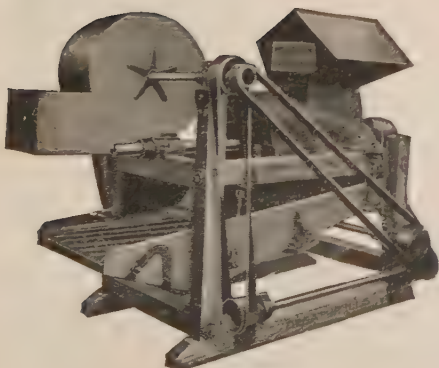


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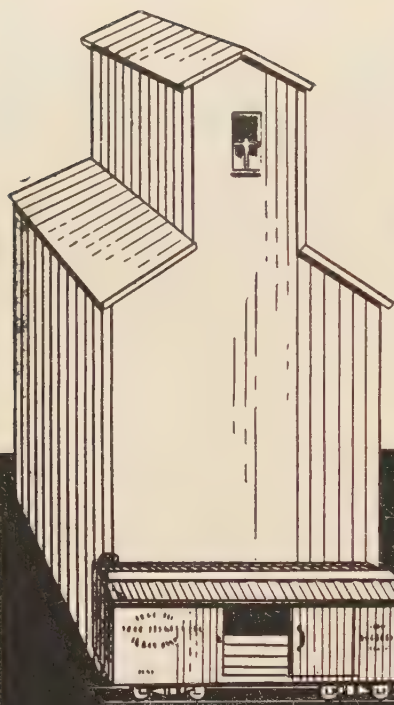


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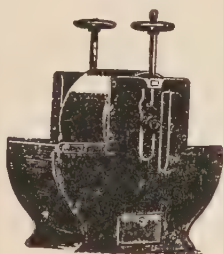
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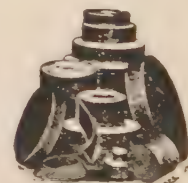


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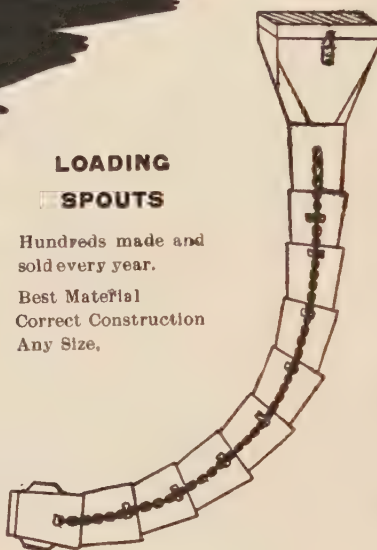
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 Correct Construction
 Any Size.



PULLEYS

Cast Iron,
 Steel Rim,
 Wood Split,
 Friction,
 Clutch,
 Large Stocks.



SPROCKET WHEELS

Plain
 Split or with
 Clutches.

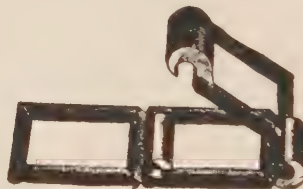


SALEM AND EMPIRE CUPS



SPROCKET CHAIN

All Sizes



Gasoline Engines - Automatic Scales - Corn Shellers - Cleaners

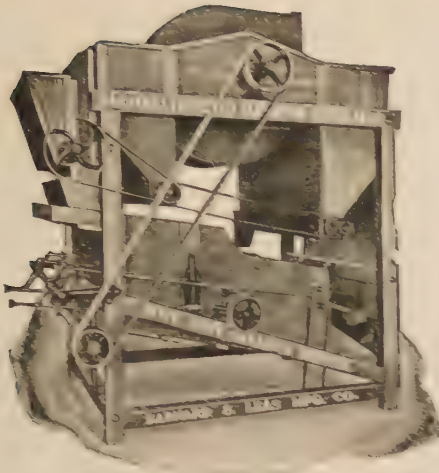
Let us send our Handy Net Price Catalog. Special Prices on Complete Elevator Equipment.

LET US MAKE YOU A PRICE

LARGEST STOCK
LOWEST PRICES

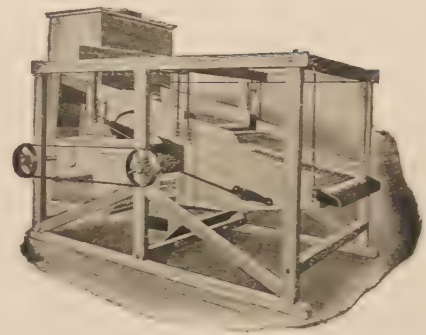
American Supply Co.
 OMAHA NEB

Grain Elevator Machinery and Supplies.



Perfection Separator

Everything for Grain Elevators and Feed Mills



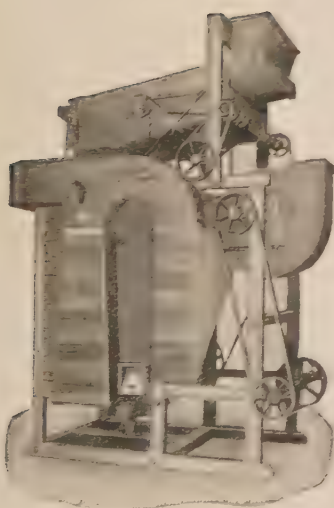
Corn Cleaner

For over 50 years we have been building this class of machinery and our line is known wherever grain is grown.

We made the first successful wheat separator, the first sieve corn cleaner, the first ball bearing feed mill, and in fact, have always been first to introduce anything of value.

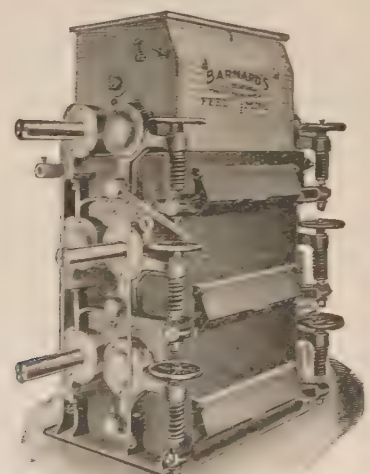
Our line includes Separators, Scourers and Oat Clippers of all kinds, a full line of Feed Mills and Corn Shellers and Cleaners, Packers, Grain Dryers, Dust Collectors and Power Connections and Supplies of all kinds.

Send for latest catalogue

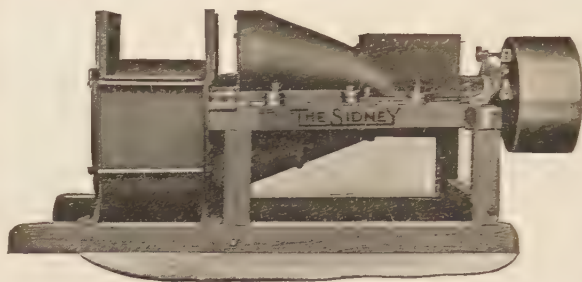


Moline Upright Oat Clipper

BARNARD & LEAS MFG. CO.
MILL BUILDERS AND
MILL FURNISHERS
ESTABLISHED 1860. MOLINE, ILLINOIS, U.S.A.



Ball Bearing Feed Mill



SIDNEY

Corn Sheller and Elevator Boot Combined

This machine was designed by us for convenience of Grain Elevator Operators who wish to avoid pits and do not favor a Fan Sheller. This is a combination of our regular Sheller and Standard Cast Iron Boot which does not require the expensive hoppers under the Sheller to the Boot. No fan to blow dust up your elevator legs, the boot being attached to sheller frame and forming a part of the Sheller. There is no danger of Sheller choking, as you have an even feed from Sheller to Boot and your elevator cups are always filled evenly, that is, the grain is carried across the boot and fills the cups as much on one side as on the other. No danger of grain flying into your boot pulley when discharging from Sheller to Boot, as this pulley is provided with a plate.

Boot shaft entirely independent of sheller shaft. Pulley can run in either direction. Boot made to fit any size cup.

This sheller will handle the incoming corn in such a way that the farmers will not be forced to sit on their wagons waiting for their turn at the dump. Keeping farmers waiting to unload is a good way to drive away business. What you want to do is keep the business you have and get new business. This sheller will do that for you.

Learn more about it—write for information today.

The Philip Smith Mfg. Co.

SIDNEY, OHIO

Manufacturers of Elevator Supplies and Equipment of All Kinds

The Roller Bearing Traveling Brush Carrier Used on the



CLIPPER CLEANER

*is the only device that
Keeps the Screens Clean*

The No. 29 B. Seed and Grain Cleaner is unequalled for its fine work on Clover, Timothy and all fine seeds of this nature. Has four full length screens, with traveling brushes under each. Seed passes over each screen which means 4 distinct cleanings are given. Then the seed or grain is air weighed by a vertical blast governed by our special air controller. Plump grains are dropped back, and the lighter chaff and small grains are carried away. By all means investigate this machine. It should be your first step toward the purchase of a cleaner.

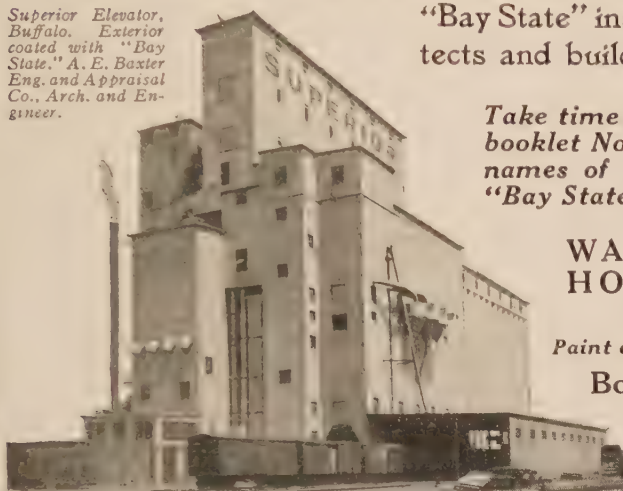
A. T. FERRELL & CO.
SAGINAW, W. S. MICH.

Bay State *Brick and Cement* Coating

is particularly adaptable to grain elevators, mills and other heavy-type buildings of concrete or brick. One or two coats of "Bay State" give a *permanent, absolutely weatherproof* wall. Rain and snow can't seep thru. Bay State Coating is indorsed by the National Board of Fire Underwriters as a *fire retarder*. On interiors, it "Lights Like the Sun"—gives the maximum reflection of light. Can be applied to any surface. Many of the largest elevators and mills in the country are coated with

"Bay State" inside and out. Architects and builders recommend it.

Superior Elevator, Buffalo. Exterior coated with "Bay State." A. E. Baxter Eng. and Appraisal Co., Arch. and Engineer.



Take time to write for free booklet No. 25 and ask for names of elevators where "Bay State" is on the job.

**WADSWORTH,
HOWLAND &
CO., Inc.**

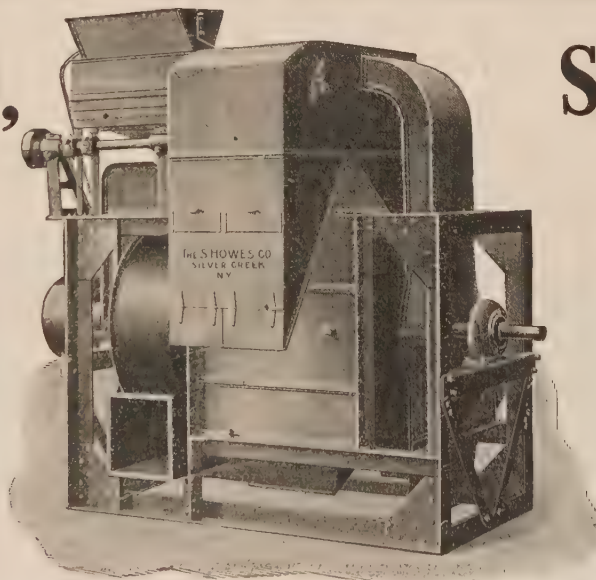
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Boston, Mass.

New York Office:
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The Connecting Terminal Elevator, Boston. R. R. Co. Building. Exterior coated with "Bay State." A. E. Baxter Eng. and Appraisal Co., Arch. and Engineer.



**SPROUTED,
SMUTTY,
TOUGH
WHEAT**



**SPROUTED,
RUSTY,
LIGHT
OATS**

These off-grade grains, the result of an abnormally wet harvest will be coming in very soon. Are you prepared to handle the situation successfully?

If not, you should investigate the Eureka Combined Clipper—Scourer—Cleaner, designed especially for this kind of work.

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THE S. HOWES COMPANY
SILVER CREEK, N.Y.

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Simplify Your Office System

by systematically filing individual tickets imprinted with authentic weights. Correct weight is registered in plain type on ticket of convenient size with

Fairbanks Type Registering Beam

After beam is in balance, a slight pressure of grip handle prints permanent record—single, in duplicate or manifold. Write for details.



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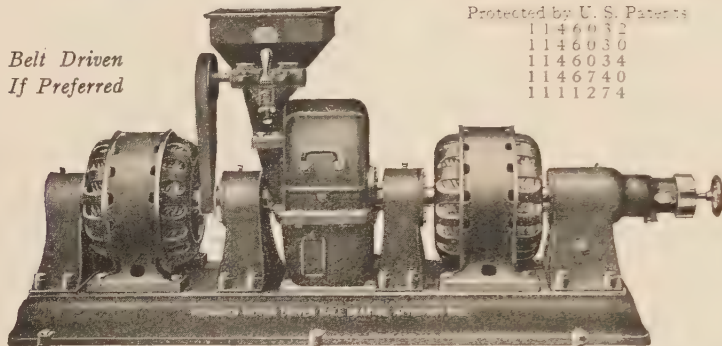
Don't Be Influenced By Theoretical Arguments

Don't lose sight of the fact that the service record of a feed grinder is vastly more important than a description of its construction.

We could not present a more vital sales argument than the testimony of users of

The MONARCH BALL-BEARING ATTRITION MILL

*Belt Driven
If Preferred*



Protected by U. S. Patents

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The Monarch is the original Ball Bearing Mill and we sell it on the basis of the reputation it bears with users—on a seven years record of service—on the good will of the largest and most representative list of customers which any manufacturer can claim.

Don't buy an imitation. Write for Catalog D-No. 115.

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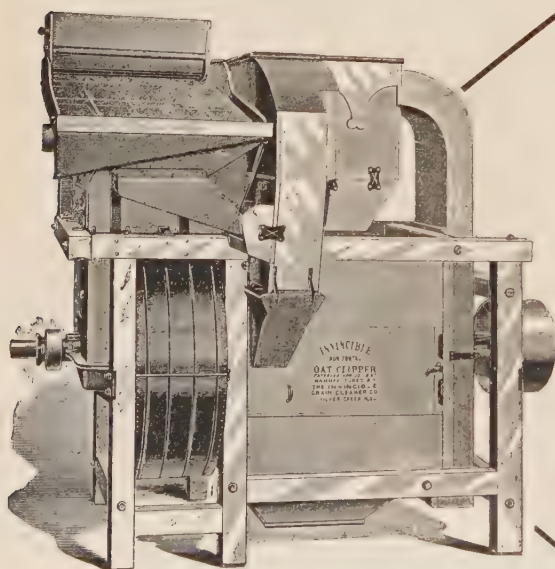
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Milling
Engineers

P. O. Box No. 26

**There Is Money In Oats**

—but not if handled in the ordinary way. What you need is an

INVINCIBLE OAT CLIPPER

It has great capacity—clips without waste—dustless—removes all impurities—does *not* hull the oats.

There is a great demand for clipped oats—and you can get top prices when you use an INVINCIBLE.

Full details on request

INVINCIBLE GRAIN CLEANER CO., Dept. 4, Silver Creek, N. Y.

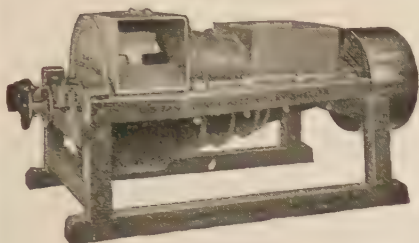
REPRESENTATIVES

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CLEVELAND, TENN., 2310 Church St., J. H. Bates.
INDIANAPOLIS, IND., Board of Trade, C. L. Hogle.
KANSAS CITY, MO., 234 Exchange Bldg., F. J. Murphy.
MINNEAPOLIS, MINN., and WINNIPEG, MAN., Strong-Scott Mfg. Co.
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SAN FRANCISCO, CAL., 17th and Mississippi, W. King, Pacific Coast Rep.

Goeman Grain Co., Mansfield, Ohio, have just placed a No. 10 INVINCIBLE Oat Clipper and Wheat Smutter.

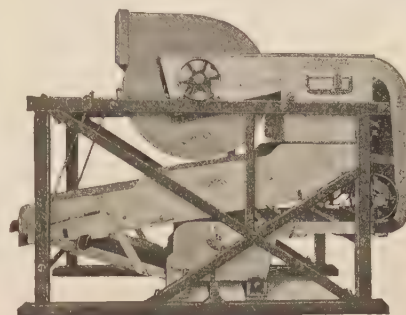
Your Elevator's Wants Are Supplied in These Columns

U. S. CORN SHELLER



What the S. O. S. call means to the wireless operator, the B. S. C. call means to the grain operator — *unhesitating service with all means at command.*

U. S. GRAIN CLEANER Single Machine



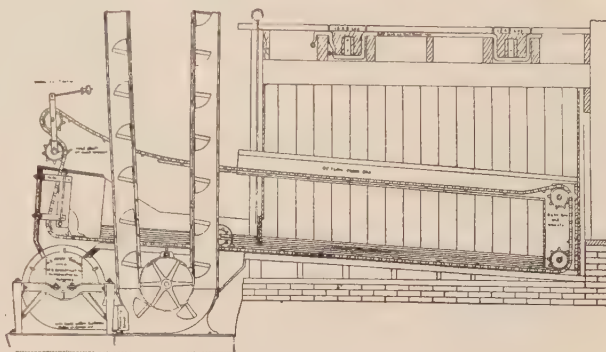
MANLIFT

The "U. S." line of grain cleaning, shelling, elevating, conveying, and power transmitting machinery and the "B. S. C." service, which goes with it, are invaluable to all grain dealers, and are always at your command.

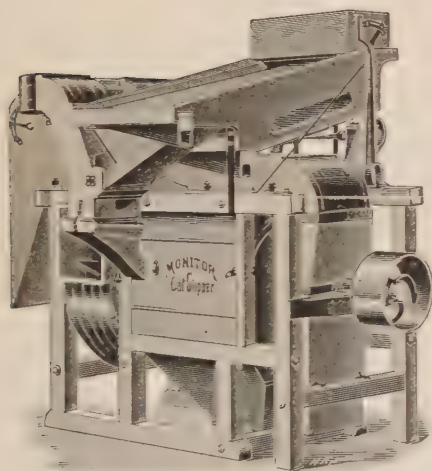
Our catalog No. 3 describes our entire line.
A copy is yours for the asking.

A COMPLETE STOCK
with

CHAIN GRAIN CONVEYOR AND FEEDER



B.S. Constant Manufacturing Co. **Kansas City Mill & Elevator Supply Co.**
BLOOMINGTON, ILLINOIS KANSAS CITY, MISSOURI



Monitor

**Oat Clippers
Smutters, Cleaners**

One hundred and thirty-s x "Monitors" to select from. Several styles of Oat Clippers, Smutters and Cleaners—a "Combination" machine that answers for clipping, smutting and cleaning. If you buy, get the best—a "Monitor," catalog No. 45 explains.

What will you do?

***With Rusty Oats, Sprouted Oats
Smutty Wheat and Sprouted Wheat***

The burning question with hundreds of grain dealers right now is, what are we going to do with the rusty, sprouted oats and the smutty, sprouted wheat the farmers are going to bring us? There is but one logical answer—prepare to handle them with a machine that will give you the most in perfect service for the least in care and general operating expense. Many grain dealers are letting this year's big opportunity get by—they are in the minority, however, as most of the live, progressive dealers, if not equipped, will be. It is safe to say that this year, as for many of the past, *most* of them will buy "Monitors."

HUNTLEY MFG. CO., SILVER CREEK, N. Y.

PORTLAND, OREGON—C. J. Groat, 601 Concord Building.
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WICHITA, KANSAS—J. B. Ruthrauff, 301 S. Lawrence St.
JACKSON, MICHIGAN—A. H. Smith, 504 Dwight Building.
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CLAIM LOSSES Prevented with TYDEN CAR SEALS

bearing shipper's name
and consecutive numbers.

6,000 SHIPPERS

are now using

Write for samples and
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INTERNATIONAL SEAL & LOCK CO.

Chas. J. Webb, Vice President

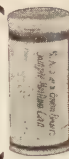
617 Railway Exchange Bldg., CHICAGO, ILL.



TYDEN SEAL
NO SEALING IRON
REQUIRED

For Accurate Moisture Tests
use our Grain Dealers Air
Tight Cans for forwarding
your grain samples.

ST. LOUIS PAPER CAN AND TUBE CO.
ST. LOUIS, MO.



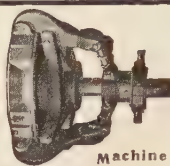
Sample Envelopes

Non-Sifting

Designed especially for mailing samples of
grain and seed. Specimens free.

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**JUDGE AFTER 30
DAYS' TRIAL**

No matter what your require-
ments are, we have a Friction
Clutch that fits your need in
size, style and price. Get our
FREE BOOKLET.

Decatur Fdy., Furnace &
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Cover's Dust Protector

Rubber Protector, \$2.00

Sent postpaid on receipt of
price; or on trial to responsible
parties. Has automatic valve and
fine sponge.

H. S. COVER

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The Humphrey Employee's Elevator

"The Continuous
Power Man Lift"

A standard piece
of equipment in
the Elevator and
Milling World
for over twenty-
five years.

Saves time,
energy and
spirits of the
men. Gives
greater effi-
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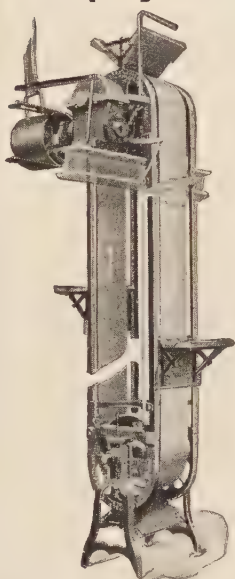
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address

**Nutting
Truck Co.**

Sole Manufacturers

FARIBAULT, MINN.

Also manufacturers of
complete line of
Floor Trucks



Car Order Blanks

FORM 222 C. O.

So many grain ship-
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are now keeping a
carbon copy of each
order for cars, in
order to keep an
accurate record of
their efforts to ob-
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to heed shippers'
needs. Car order
blanks are put up
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with machine per-
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order can be torn
out and sent to
carrier's agent and
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orders and 50 dupli-
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Price, 50 cts.

**Grain Dealers
Journal,**

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Gerber Spouting Has No Equal

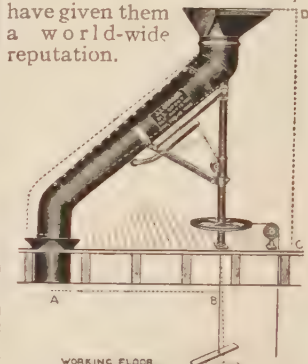


The Patent Flex-
ible Chain Tel-
escope Car Load-
ing Spout is the
best, yet
cheapest,
as it will
outwear
two ordi-
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spouts. Made of
special
metal.

Every spout
guaranteed as
represented.

The Latest Improved Distributing Spouts

will absolutely prevent the
mixing of grain. The best of
material and workmanship
have given them
a world-wide
reputation.



Don't accept those "almost as good." For sat-
isfaction, get the genuine, made by

J. J. GERBER

MINNEAPOLIS

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R



Live weevil plus a little Fuma equals
dead ones every time.

Fumigate Your Elevators and Mills with

FUMA

The only satisfactory method of treating grain
in the bin, kills all insects, weevils, moths, etc.

10c. per lb., in 50 lb. and 100 lb. drums.

Send for printed matter.

EDWARD R. TAYLOR

Manufacturing Chemist PENN YAN, N. Y.

The Van Ness Safety Roller Bearing Manlift

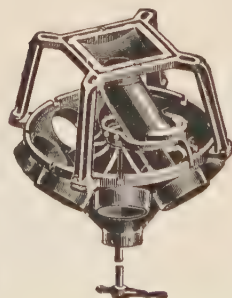
Is built for service. Made from Selected
White Birch, has direct acting springs,
double safety device that will not fail,
runs easy, unnecessary to bolt or lock
it while not in use.
Has wire cable and cotton hand line.
Sold on 30 days' trial. Write for cir-
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Manufactured and for sale by

**R. M. Van Ness
Construction Company**

404-406 State Bank Bldg.,
OMAHA, NEB.

Branch Offices at
Fairbury, Neb. and Lincoln, Neb.



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"Turn Heads" and "Turn Spouts" existed since
Seeley's invention in the 'Sixties. But a "Distributor"
was unknown before the

HALL SIGNALING GRAIN DISTRIBUTOR

was invented. Since then any sheet metal spout is digni-
fied with the name "Distributor."

NOTE AGAIN:

The device, or the name, "Non-chokable Boot" never
existed until the

HALL NON-CHOKABLE BOOT

came out. Now notice the number who would thrive on
the reputation of others by applying the words "Non-
chokable" to spurious wares.

HALL SPECIAL

(Elevator Leg)

is recent. But harpies already appear.

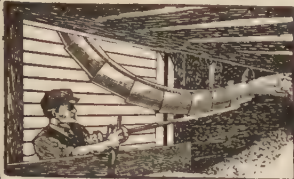
Where do you find genuineness? Among inventors or among pirates?

Hall Distributor Company, 222 Ramge Bldg., Omaha, Nebraska

A Wonderful Investment for an Elevator The ENGLEHART FLEXIBLE SPOUT HOLDER and CAR LOADER

Saves dockage, time, labor, health and money.
Hundreds now in use in 20 states.

Lowest prices on Flexible Spouting, Car Liners, Grain
Testers, Richardson Separator and Cleaners, Corn
Sieves, Perfection Portable
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Light, Belting
Cups and all
supplies.



Write for our
new catalog.
L. E. TAYLOR & CO.
316 Flour Exchange
Minneapolis, Minn.

Grain Dealers Everywhere Are Using The Automatic Dump Controller



Razzle Dazzle!
Razzle Dazzle!
Zip! Bum! Ba!
McMillin's Automatic
Dump Controller.
Rah! Rah! Rah!
Rah! Rah! Rah!
Who are we? We are users
Of the M. A. D. C.
That's no joke -
That's no bluff -
The M. A. D. C. is the
only stuff!
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C-o-n-t-r-o-l-l-e-r.

**McMillin Automatic
Dump Controller**

Circulars upon request

L. J. McMILLIN

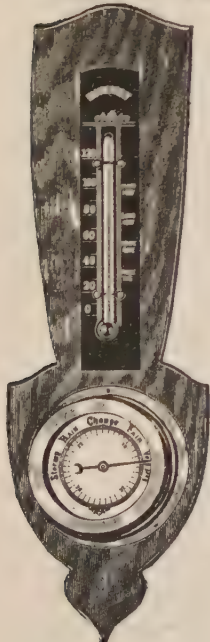
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Indianapolis

Indiana

PRIVATE WEATHER BUREAU

FORECAST 18 HOURS IN ADVANCE



A new instrument
which combines an
accurate thermom-
eter and a reliable
barometer.

Invaluable to the
shipper and the farmer
and to everybody who
must be able to know
in advance what the
weather will be.

FORECASTS WEATHER
WEATHEROMETER
HOURS IN ADVANCE

Ideal for Summer
Homes and Cottages,
Automobilists and
Travelers.

Formerly sold at \$3.00
NOW \$1 SEND US NO
MONEY

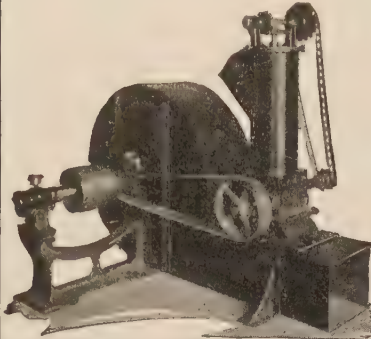
Send your order and
Weatherometer will be
sent by Parcel Post,
C. O. D. \$1 bill can be
enclosed if you prefer.

Guaranteed to be
Satisfactory.

**GERMANIA
INSTRUMENT CO.**
Dept. 50, 618 Mallers
Bldg., CHICAGO, ILL.

Efficiency--Satisfaction

This is what you get by installing the Bernert Pneumatic TRACK-
LOADER. Just as EFFICIENT and SATISFACTORY as the other
Bernert Pneumatic machines have proven. Portable or stationary.



With this machine grain is handled
direct from wagon into granary, bins,
warehouses or cars. Direct from cars
to cars, or warehouses to cars. No
scooping necessary whatever.

All grain handled ahead of the fan.
Positively no grain injured. Wet,
dirty or musty grain conditioned.

For further information, or if interested in a Pneu-
matic Conveyor, Elevator or Carloader write to

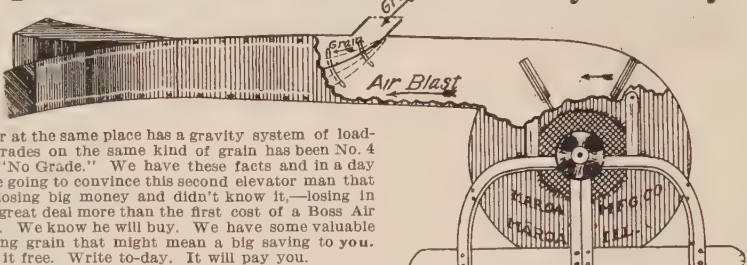
Bernert Mfg. Co.

759 33rd St.,

Milwaukee, Wis.

Loading for Better Grades

A certain ele-
vator man in
Illinois has a
Boss Air
Blast Car
Loader. His
grain has
been grading
No. 3. The
other elevator at the same place has a gravity system of load-
ing. Their grades on the same kind of grain has been No. 4
and mostly "No Grade." We have these facts and in a day
or two we are going to convince this second elevator man that
he has been losing big money and didn't know it, losing in
one season a great deal more than the first cost of a Boss Air
Blast Loader. We know he will buy. We have some valuable
data on loading grain that might mean a big saving to you.
You can get it free. Write to-day. It will pay you.



MAROA MFG. CO.

Dept. G.

MAROA, ILL.

*Grain is actually improved by its
passage through a*

MATTOON CAR LOADER AND GRAIN CLEANER

The grain being carried by a regulated air force, naturally the lighter matter
such as chaff, dust and straw would be carried out by the spent air, and the
clean grain lodge in the
car.



Send for full particulars today

Mattoon Grain Conveyor Co.
Mattoon, Illinois

Grain also traveling in a cool
air current would naturally be-
come cooled.

The loading spout travels con-
tinuously in a semi-circle. This
insures even distribution and
perfect stirring of grain.

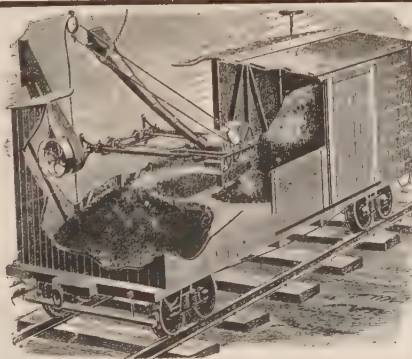
Bear in mind that the Mat-
toon unlike any other, loads the
car to full capacity, does not
mill or crack the grain, is
strong, durable and works auto-
matically.

IT CLEANS THE GRAIN

It removes dust from oats, as well as dust
from all other grains. It is compact, and when
not in use projects only 14 inches from the
building. The

CHAMPION CAR LOADER

will do all we claim for it. It is made of steel
and stands weather exposure. Write to-day for
particulars and price.



E. BAUDER, Manufacturer, STERLING, ILL.

EVIDENCE BY THE CARLOAD

REXALL DOUBLE-STITCHED BELTING

The Most Efficient Belt for Elevating and Conveying Service



Two Carloads Rexall Belting

Total Weight 80,000 Lbs.
Total Length - 2 Miles

The Most
Complete
Belt Stock
in the
United States

IMPERIAL BELTING CO.

General Offices and Factory Chicago, Ill.

Write Dept. GT

We Carry
REXALL
in 1000' Rolls
from
1' to 42' Wide



New Kaiserhof

HOTEL CAFE

450 Rooms \$1.50 up
300 with Bath \$2 up

Centrally Located
Within One Block
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La Salle Station and
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Map of Chicago



Clark St. near Jackson Blvd.
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There is a difference

between simply a belt, and a belt plus a big reputation.



Our elevator belting, in the end, gives the greatest returns on the investment. Used and approved by some of the largest elevators in the country. Estimates for equipments cheerfully furnished.

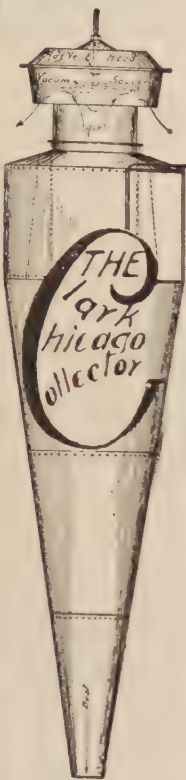
New York Belting & Packing Co.

91-93 Chambers Street, NEW YORK

130 West Lake Street
CHICAGO, ILL.

2nd Avenue, N., and 3rd Street
MINNEAPOLIS, MINN.

Improve Your Dust Conditions



Reduce Fire Hazards and Explosions

Clark's All Metal Dust Collectors Will Do it

Highest Efficiency

Reasonable in Price

Occupies small space

Adjustable and Controllable

For Full Particulars Write

CLARK DUST COLLECTING CO.
Fisher Bldg. Chicago, Ill.

Elevator Man ATTENTION

Install an Automatic Drain Circulating Pump and take the responsibility away from your Agent forgetting draining the Engine.

Prevents bursting of Cylinder, accumulating of lime in the water Jacket, over heating of Engine, saves Fuel, oil and trouble.

Write for Circulars

G. G. Forester Mfg. Co.
MOLINE, ILL.

ACCOUNT BOOKS FOR SALE BY
GRAIN DEALERS JOURNAL, CHICAGO

Style No. 6000



TORSION BALANCE Corn Grading Scale

Used by U. S. Government and the Trade.

No Knife Edges.
No Bearings to collect dust.
Retains accuracy under load.
Not a Spring Scale but a "TORSION."

Pamphlet describing No. 6000 on request.

THE TORSION BALANCE COMPANY

Factory:
147-9 Eighth St.,
Jersey City, N. J.

92 Reade St., NEW YORK, N. Y.

Pacific Coast Branch:
49 California St.,
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"Special Scales for Special Purposes"



Grain Dust is a Fire Hazard

Wherever it settles.

It's a Dangerous Explosive

Exposed to ignition by spark and spontaneous combustion a constant menace to life and property.

The only SANE, SAFE thing to do is recover the dust with an all-metal fireproof

"Knickerbocker Cyclone"

Write for Catalog.

The Knickerbocker Co., Jackson, Mich.

You Should Know the Exact Dockage of Every Load of Wheat

Don't try to guess at it, be sure of it; install

THE EMERSON OATS FROM WHEAT TESTER

Over 3,000 elevators now using this tester.

The EMERSON is the most convenient and satisfactory wheat tester made. The saving in wheat, time, mistakes and money soon pays for the Emerson. Write today for further particulars and list of users.

WM. H. EMERSON & SONS
DETROIT, MICH. WINDSOR, ONT.



DO YOU

GRAIN DEALERS JOURNAL,
Chicago, Ill.

Gentlemen:—Herewith is draft covering Help Wanted adv. in your classified column. This adv. certainly **Produced Results**, as we are having answers from all wheat growing sections of the United States. Yours truly,

THE RUSSELL MILLING COMPANY

Russell, Kansas

NEED HELP

GRAIN ELEVATOR BUILDERS

G. H. Birchard
Grain Elevators
 Especially Designed for Economy
 of Operation and Maintenance
 LINCOLN, NEB.

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 Grain Elevator Builders
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SAATHOFF & AMACHER
 DESIGNERS AND BUILDERS OF
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 Write us for plans and estimates
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 Contracting Engineers
 for ELEVATORS
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 Designers and Builders of
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To BUY or SELL
RENT or LEASE
an ELEVATOR

Place an adv. in the "Wanted" or "For Sale" columns of the GRAIN DEALERS JOURNAL of Chicago. It will bring you quick returns.

ELEVATOR
CONSTRUCTION
SPECIALIST
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"HAVE IBBERSON BUILD IT"

Write
 For Our
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T. E. IBBERSON
 MINNEAPOLIS, MINN.

Southwestern Engineering
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Designers and Builders of

Modern Fireproof Mills
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 going to build or remodel? If so, write,
D. F. HOAG & CO.
 Contractors and Builders of
GRAIN ELEVATORS AND WAREHOUSES
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CONCRETE and WOOD
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When Better
 Elevators are
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 will build them

Ask those who have them.

Over 600 in use today.

**Burrell Engineering &
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This book contains 125 leaves of scale tickets, four to a leaf. Each leaf folds back on itself so as with the use of a sheet of carbon to make a complete and perfect copy of the original on the stub which remains in the book. The original tickets form the outer half of the page, so the removal of any ticket does not disturb the others.

Each ticket has spaces for the following record: No., Date, Load of, From, To, Gross lbs., Tare lbs., Net lbs., Net bu., Price per bu., Test, Man On-Off, and Weighers Signature. Size, 9 1/4 x 11 inches. Printed on good paper.

Order Form No. 73. PRICE \$1.00.

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La Salle St., Chicago, Ill.

Canadian Government Grain Elevator Port Arthur, Ontario

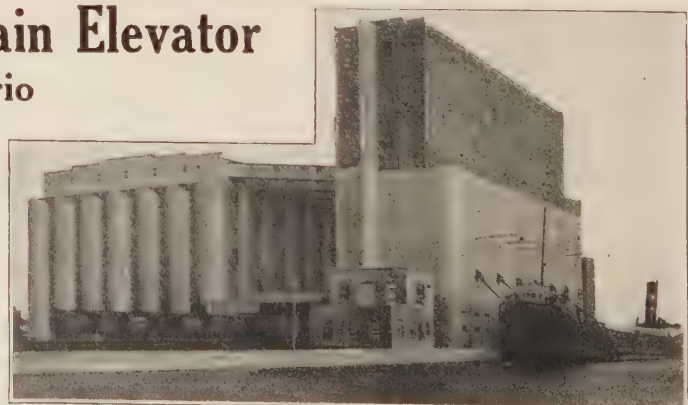
Capacity 3,500,000 Bushels

The Last Word in GRAIN ELEVATORS

Designed and Built by

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OFFICES { FORT WILLIAMS, ONT.
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GRAIN ELEVATOR BUILDERS

Grain Elevators

of any size and any type

Designed and Built for

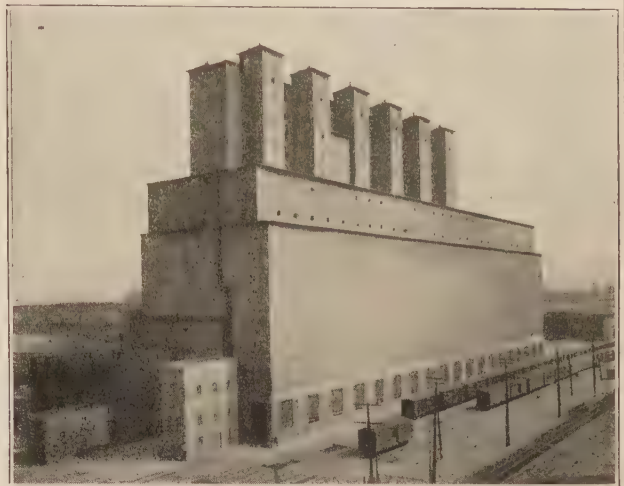


Safety,
Economy,
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THE
3 AMERICAS
CO.

Builders of
Better
Elevators

122
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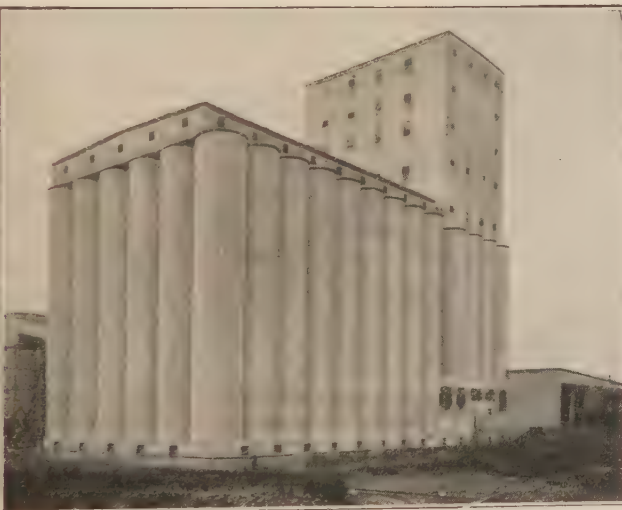
HARBOUR COMMISSIONERS OF MONTREAL
Elevator No. 2
Capacity 2,600,000 Bushels

Largest monolithic, reinforced concrete Working House in the world. Connects with H. C. Elevator No. 1 and over two miles of shipping galleries serving 19 ocean berths.

JOHN S. METCALF CO., LTD.

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THE GIRARD POINT ELEVATOR
PHILADELPHIA, PA.

CAPACITY—1,110,000 BUSHEL
The Most Rapid Handling Grain
Elevator in World. BUILT BY

JAMES STEWART & CO.

GRAIN ELEVATORS
BUILT IN ALL PARTS OF THE WORLD

GRAIN ELEVATOR DEPT., 15th Floor Westminster Bldg., CHICAGO
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Connecting Terminal Elevator
1,000,000 Bushels Capacity
BUFFALO, N. Y.

Absolutely Fireproof—Electrically Driven

Built for
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MONARCH ENGINEERING CO.
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GRAIN ELEVATOR BUILDERS

YOU will FIND
? "BUILT by YOUNGLOVE" ?
 on ALL MODERN ELEVATORS!
? WHY ?

Younglove Construction Co.
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GENUINE CRUDE AND FUEL OIL ENGINES

Operates successfully on cheapest fuel oil.
 Sizes 10 to 75 H. P. Stationary only.

MUNCIE OIL ENGINE CO.
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 Want Ads do your work.
They bring quick results.

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**Grain
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Grain Profits Rise as Handling Costs Drop

Throughout the great West grain men are increasing their profits by decreasing their handling costs.

Year after year we see ever-growing numbers of grain men installing OTTO Gasoline Engines, because of their absolutely dependable qualities and economy.

OTTO Gasoline Engines

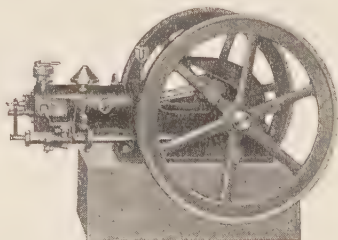
to the number of 100,000 have been the undisputed leaders in their field since 1876.

Their high-grade construction and design have given them a nation-wide reputation for unfaltering reliability and almost negligible operating and upkeep expenses.

Here's a sure means of increasing profits. It costs you nothing to look into this. Our Chicago office will gladly extend full particulars. Write now.

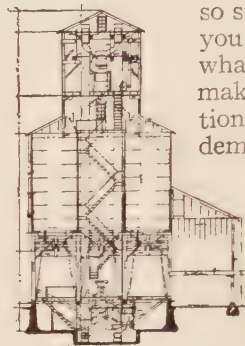
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33rd and Walnut Streets - - Philadelphia
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NOT A CHINESE PUZZLE, BUT READABLE

PLANS and ESTIMATES



so simple and self-explanatory that you can readily see at a glance just what you are getting, and you can make those changes which conditions in your own grain business demand on paper. And after seeing what you want you get, if you give the contract to

**Reliance
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FREE

To interested parties in the South-
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 giving the complete costs of
 Thirty-eight Country Elevators.

Mailed to other
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**BUILDERS
 OF GOOD
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Owners of
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ELEVATOR MACHINERY

GRAIN DRYERS—All sizes, CRUSHERS,
 SHELLERS and MILLS CONVEYORS
 and ELEVATORS, CHAIN BELT and
 SPROCKET WHEELS, OAT MEAL and
 PEARLED BARLEY MACHINERY,
 HOMINY MILLS

SEND FOR DESCRIPTIVE CATALOG OF WHAT YOU WANT

THE C. O. BARTLETT & SNOW CO.
 CLEVELAND, OHIO, U. S. A.

SET OF BOOKS for Grain Dealers

Form 380 Record of Wagon Loads Bought } **PRICE, \$3.00**
 Form 385 Record of Car Loads Shipped }
GRAIN DEALERS JOURNAL, 315 So. La Salle St., Chicago

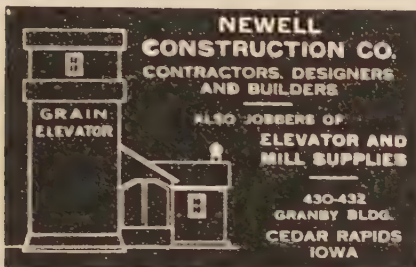
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BETTER ELEVATORS

ARE Being Built and
W. H. CRAMER is Building them
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Contractors Mills and Elevators
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Any Size or Capacity
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First Class Concrete Grain Storage Construction

OUR SPECIALTY

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Designers and Builders of
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Plans Submitted Branch Offices at
LINCOLN, NEBR., and FAIRBURY, NEBR.

THE TEMPLE-WILLIAMS CO.

Designers and Builders
of Grain Elevators

Estimates furnished on application.
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DES MOINES - - IOWA

Henry Lesch & Co.

Washburn, Ill.

Have designed and built some
of the finest elevators in
Central Illinois.

WRITE US

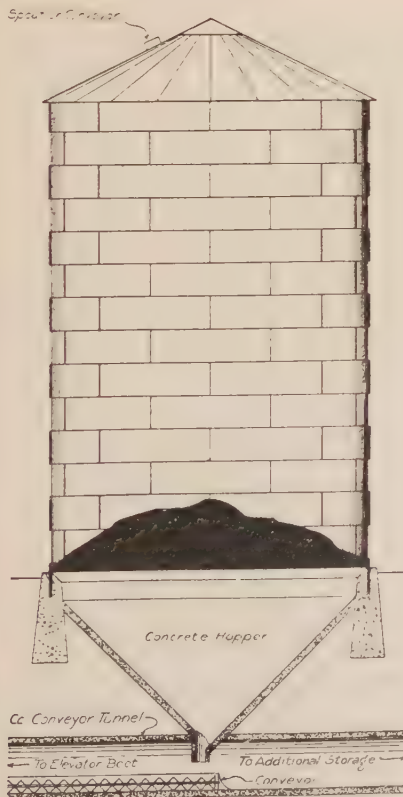
W. S. MOORE
252 S. Col. Street
Frankfort
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EFFICIENT ERECTING CO.

Grain Elevators, Mill Work

Let Us Furnish You Plan
OUR EXPERIENCE IS MONEY TO YOU—WHY NOT HAVE IT?

GEO. H. CRAIG
335 Normal Park
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Chicago, Ill.



Double Your Grain Storage at Little Cost

Your elevator may be crowded for storage—you may easily see a greater business in sight—a greater profit on the season's crop—with more bin room.

PERFECTION METAL BINS

easily and **quickly** double your storage—or more—at a moderate cost—and with little expense for machinery. Your present house is not disturbed.

Booklet—"Fire Proof Grain Storage" sent on request

Perfection Metal Silo Co.

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KANSAS

MORRIS GRAIN DRIERS

THE ONLY GRAIN DRIER MADE THAT USES FRESH AIR FOR BOTH DRIER AND COOLER. No dust is blown through our coils. We have an absolute even distribution of air throughout both Drier and Cooler. GRAIN IS DRIED UNIFORMLY AND COMES OUT IN BETTER PHYSICAL CONDITION than from any other Drier on the market. A good Drier is a paying investment this year.

Write us for list of users and prices.

The Strong-Scott Mfg. Co., Minneapolis, Minn.

A Car-Mover that Stands the Test

NEW BADGER

**FREE
For 30 Days**



We will send you a New Badger Car-Mover for thirty days free trial and if it does not meet with your approval return it. We pay the freight both ways. If you keep it you are to send us \$5.00.

We would not make such an offer were we not sure that this Car-Mover would stand the test. It has been on the market for a long time and has always met with the approval of its users.

Drop us a post card and ask us to send you the New Badger for thirty days' free trial.

ADVANCE CAR-MOVER CO., APPLETON WISCONSIN

Kennedy Car Liners

**The Only
Positive Preventive**

- of -

Leakages in Transit

MADE BY

**THE KENNEDY CAR LINER
& BAG COMPANY**

SHELBYVILLE, IND.

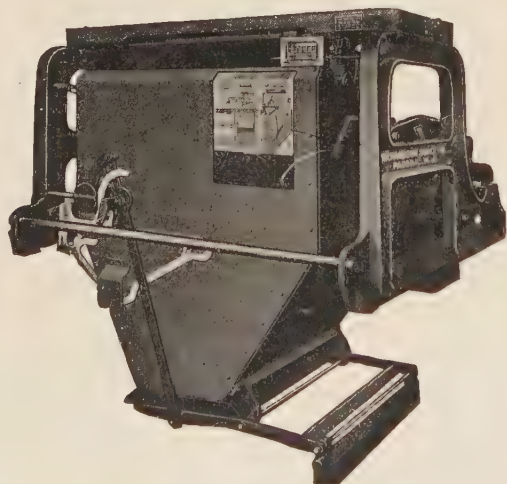
SECOND-HAND

Shellers, Cleaners, Clippers, Scales, Feed Mills, Steam Engines, Boilers, Gasoline Engines, Belting, Buckets, Conveyors or any other elevator machinery can be bought or sold quickly by placing an ad. in the "Wanted" or "For Sale" columns of the

GRAIN DEALERS JOURNAL
OF CHICAGO

"YOUR PROOF"

MUST BE POSITIVE



WHEN

YOU TACKLE A RAILROAD
FOR PAYMENT OF YOUR LEAKAGE CLAIMS.

AN "UNIMPEACHABLE" SCALE IS "UNIMPEACHABLE" PROOF

MAKE

THE RICHARDSON AUTOMATIC SCALE

YOUR "STAR WITNESS" AND YOUR PROOF IS POSITIVE

YOUR NEIGHBOR DOES IT — WHY DON'T YOU?

ASK US WHO THOSE NEIGHBORS ARE AND SEE WHAT THEY SAY

RICHARDSON SCALE CO.

532 State Bank Bldg.
Omaha, Neb.

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147 North Emporia Avenue
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Minneapolis

Box 282, Memphis, Tenn.

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BOWSHER FEED MILLS

**GROW
HEALTHY
STOCK**

Crush ear corn (with or without shucks) and grind all kinds of small grain.

Handy to operate—**lightest running**. 10 sizes: 2 to 25 h. p., capacity 6 to 200 bushels. Conical shape Grinders. Different from all others.

Write for Catalog and folder about the value of different feeds and manures.

The N. P. BOWSHER CO.
South Bend, Ind.



What have you?

FOR SALE

An Elevator
Machinery
Seeds

Do you want?

An Elevator
Machinery
Position
Partner
Seeds
Help

Grain Dealers Journal

CHICAGO, ILL.

has 6,000 readers who would like to know. Tell them thru a 'For Sale & Want' Ad. Costs 20 cents per type line.

SHEET METAL SPECIALISTS

NOW is the time to overhaul and repair your plant for the coming year. We can furnish all your requirements in the Sheet Metal Line.

WE MANUFACTURE

DUST COLLECTORS

BLOW PIPING

CONVEYORS

GRAIN SPOUTING

STEEL ELEVATOR LEGS

MILL and ELEVATOR WORK

No job too large for us to handle, the small ones receive the same attention. Get our figures before placing your order. All work guaranteed.

MINNEAPOLIS SHEET METAL WORKS

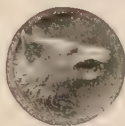
1528 Washington Ave., No.,

Minneapolis, Minn.

We are Agents for All Makes of Fans

You Ought
To Know

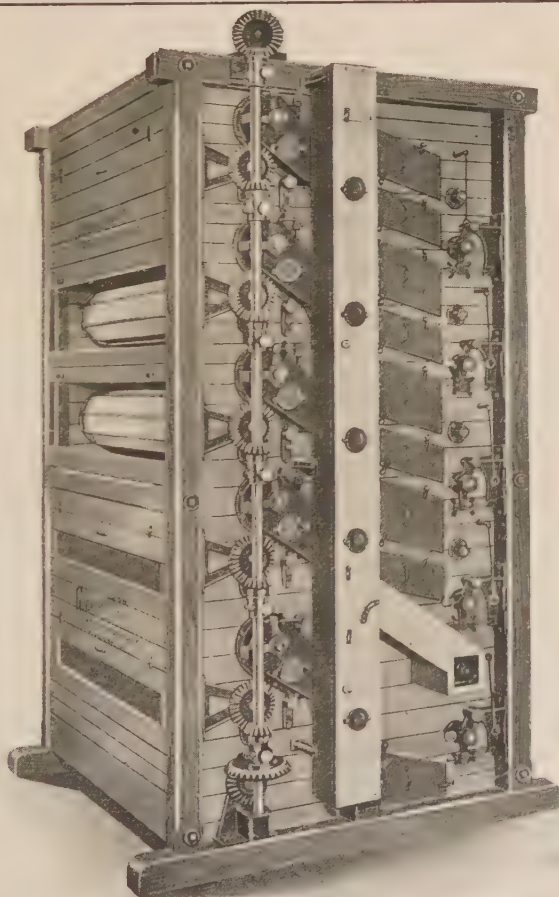
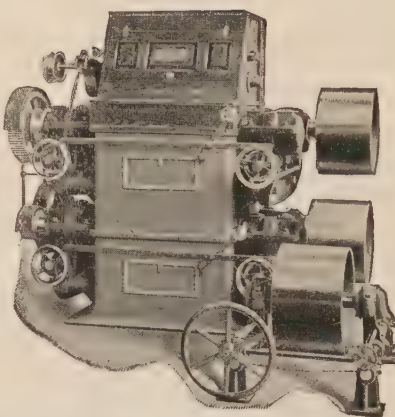
WOLF FEED ROLLER MILLS



There's something about Wolf Feed Roller Mills that wins the heartiest approval of the most discriminating buyers.

Write and ask us to explain in what respects they are famously efficient—and why you should lose no time in getting acquainted with them.

THE WOLF COMPANY
CHAMBERSBURG, PA.



The Peer of Them All

THE RICHARDSON New TYPE Wheat and OAT SEPARATOR

Made in many sizes and capacities

NEW construction. NEW Features and many valuable improvements are incorporated in this NEW TYPE RICHARDSON and while there may be other Wheat and OAT SEPARATORS, there is only one RICHARDSON and it is DIFFERENT.

YOU cannot afford to be without RICHARDSON RESULTS. Let us demonstrate them to YOU.

Give yourself an opportunity to see what RICHARDSON RESULTS are like, by sending us a two-pound sample of OATY WHEAT which we will run thru one of our MIN-IATURE MACHINES and return to you, showing what these Machines will do. RICHARDSON RESULTS on OATY WHEAT must be seen to be appreciated.

Our proposition is liberal. Take advantage of a trial order which entails no obligations on your part, as the RICHARDSON MACHINES are sold on a strictly thirty-days trial basis.

SUCCESS IN BUSINESS you know depends not so much upon laying awake nights, as KEEPING AWAKE DAYTIMES. Investigate the source of the OTHER FELLOW'S PROFIT and FOLLOW in his FOOTSTEPS. This is the KEYNOTE of SUCCESS.

Richardson Grain Separator Co.

15th Ave., S. E. and Winter St.,

Minneapolis, Minn.

Wanted and For Sale

The rate for advertisements in this department is 20 cents per type line each insertion

ELEVATORS FOR SALE.

FOR SALE—Cribbed elevator, good repair, 15,000 cap. coal shed. Price \$2,800. Crop good. Ad. Clarence Scott, Bonilla, S.D.

IND.—8M bu. elvtr., flour, cement, coal business, town of 1,000. Address Luck, Box 2, Grain Dealers Journal, Chicago, Ill.

FOR SALE—Elevator 15,000 bu. capacity, and 100 barrel capacity roller mill, both on same location. Modern and fine shape. In good grain center. Newcomer, Adair, Okla.

IOWA—Will sell elevator at Armstrong, 20,000 capacity, in good repair, electric power. Price right. Address E. O. H., Box 3, Grain Dealers Journal, Chicago.

ELEVATORS FOR SALE: Your choice of ten elevators within 100 miles of Chicago from \$6,000 to \$15,000. Good substantial buildings and in good towns. Address James M. Maguire, Campus, Ill.

FOR SALE—Fifty thousand bushel elevator with feed mill in one of the best grain territories in Montana. No other elevator within forty miles. Must be sold in ten days. Address Boston, Box 5, Grain Dealers Journal, Chicago, Ill.

SOUTH DAKOTA—For Sale—Three elevators on the Great Northern Railway. About 140,000 bu. a year average. In the most fertile part of South Dakota. Address Box 454 Sioux City, Iowa, for particulars.

MODERN Cribbed Iron Clad Elev. Motor power, Auto. Scale, Manlift, etc. Cap., 20,000. Corn and oat belt, good town, one competitor. For further particulars address Way, Box 3, Grain Dealers Journal, Chicago, Ill.

FOR SALE—12M bu. Elevator with coal and other side lines. Studded house, two dumps, three stands of elevators. Automatic scales, steam power; on private ground. Price, \$6,000. Address A. J. McFadden, New Waverly, Ind.

MICHIGAN—Elevators of the Morris Kent Co., at Kalamazoo, Mendon, Gobles, Martin, Lakota and Wasepi, also flouring mill at Kalamazoo, all located in best farming localities, will be sold at Assignee's Sale. For further particulars address Edw. G. Read, Assignee, Richland, Mich.

WESTERN OHIO Elevator, Handles 125 cars grain, feed, coal, salt and cement yearly. Located in one of best up-to-date business towns in western Ohio. Opportunity will not be open long. Address Ver, Box 1, Grain Dealers Journal, Chicago, Ill.

FOR SALE—An exceptional opportunity for a bargain in Grain Elevator and mill. Capacity 12 cars grain and 25 cars for Hay. On private railroad siding at Orange. Also suitable for coal, ice, etc. Price and terms very reasonable. For further particulars address Wm. P. Smith, Owner, 15 Fairview Ave., Orange, N. J.

ELEVATOR IN CENTRAL INDIANA with 2 acres of land and residence, for sale. Has metal sides and roof, cribbed bins, sheller and cleaner, feed grinder, motor power. In good grain belt; handle a number of side lines. Easy terms. A bargain if taken soon. Address Indiana, Box 2, Grain Dealers Journal, Chicago, Ill.

ELEVATORS FOR SALE.

KANSAS—For Sale Elevator, coal and feed business at Manchester, Kansas. Address Bert Weaver.

KANSAS—For sale 6,000 bu. elevator. Grain, feed, coal, flour and feed. For particulars write H. F. S. Box 5, Grain Dealers Journal Chicago, Ill.

EAST IOWA ELEVATOR for sale in German Catholic community. Nearly new and up to date. Complete at \$3,500. Address Keve Lumber Co., Arlington, Iowa.

CHOOSE YOUR ELEVATOR from the many offered. Insert an advertisement in the "Elevators Wanted" columns of the Grain Dealers Journal, and select one at a satisfactory price and station.

FOR SALE—Elevator and alfalfa mill and coal business, at a bargain. Good hay and grain locality. Address Hillrose Milling & Merc. Co., E. H. Link, Sec'y, Hillrose, Colo.

RIVERSIDE Elevator and Warehouses, Memphis, Tenn., between the Frisco and I. C. tracks; near business center and all freight depots; capacity 300 cars. Webb & Maury, Memphis, Tenn.

CENTRAL OHIO elevator and coal yard for sale. Capacity 25,000 bus. grain; 300 tons coal. Handles 100,000 bushels grain. Large retail trade. Will exchange for good farm priced right. Address Sale, Box 5, Grain Dealers Journal, Chicago.

FOR SALE—15,000 bu. bean and grain elevator in town of 3,000, one other elevator in place, electric, kerosene power, coal and wood yard in connection. Must sell quick to take another business. Address AB, Box 5, Grain Dealers Journal, Chicago, Ill.

FOR SALE—20,000-bu. elevator within 100 miles of Chicago that handles over 200,000 bu. grain and 1,000 tons of coal annually. Located in town of about 700. Farmer El. competition. Business evenly divided. Price \$6,000. Good terms. Address James M. Maguire, Campus, Ill.

WISCONSIN—Grain Elevator. In the Fox River Valley. Must sell on account of old age and illness. Also good retail flour, feed and seed in connection. Price \$6,000. Terms ½ cash, balance on easy terms. Address Land, Box 4, Grain Dealers Journal, Chicago.

SOLICITORS' SIDE LINE.

WANTED men calling upon grain shippers to carry small book needed by every grain firm. Easy sales, large commissions. Address W. B. Granger, 507 Traders Bldg., Chicago, Ill.

BUSINESS OPPORTUNITIES.

LAND FOR SALE—Frontier Co., Nebr. The land of "Bread and Butter." Thousands of acres of wheat will pay for land it grows on this year. Ideal dairy country. Write John Pearson, Moorfield, Nebr.

WHATEVER your business may be, it will find a ready market if advertised in the "Business Opportunities" column of the Grain Dealers Journal, Chicago, Ill. 6,100 grain men look to these columns twice a month for real opportunities.

ELEVATORS WANTED.

ANYONE having good grain business to exchange for 220 a. grain and stock farm in McLean Co. J. M. DeBolt, El Paso, Ill.

FINE farm in Western Ohio, adjoining corporation of County Seat to trade for elevator. Address Hay, Box 4, Grain Dealers Journal, Chicago, Ill.

TRADE 320 Acres of Wheat Land in Wichita County, Kan., to trade for Elevator. Must be in operation. Address G. D. A., Box 4, Grain Dealers Journal, Chicago.

WANT to lease or buy an elevator in Western Ohio or Indiana in Corn and Oats territory, handling 125,000 bus. or more. Must be in good condition. Address Man, Box 3, Grain Dealers Journal, Chicago, Ill.

EXPERIENCED grain man, financially responsible, wants to lease elevator in Indiana, Illinois or Iowa. Must handle 200,000 bu. or more. Prefer one handling coal, feed and seeds. Would invest liberally with services in good grain proposition. Address Bob, Box 5, Grain Dealers Journal, Chicago.

RETIRED grain man, after recuperating wants to exchange good 227-acre Kansas farm in Arkansas River Valley for a good elevator and grain business. Farm well improved, all tillable, soil sandy loam, telephone, interurban mail. If you have a good open proposition write Heg, Box 4, Grain Dealers Journal, Chicago, Ill.

PARTNERS WANTED.

YOU CAN SECURE a partner if you make your wants known to the grain trade thru the Partners Wanted column of the Grain Dealers Journal.

PARTNER WANTED—With not less than \$5,000, to go in elevator business. Have option on one of the best money makers in Indiana, but need more capital. All references given and expected. Address Blank, Box 5, Grain Dealers Journal, Chicago.

PARTNER WANTED for a well established extensive wholesale seed business. Energy and knowledge of field seed necessary; also \$20,000 capital. Address H. E. Mooers, Commerce Club, St. Joseph, Missouri.

ADDRESS WANTED.

WANTED ADDRESS of G. S. Barnes, Jr., formerly of Wichita, Kan., and Minneapolis, Minn. Write S. E. El., Box 12, Grain Dealers Journal, Chicago, Ill.

WANTED—Address of Julius Nielson, U. S. representative of Hjalmar Hartman & Co., Copenhagen, Denmark. Address R. L. D., Box 5, Grain Dealers Journal, Chicago, Ill.

ELEVATOR BROKERS.

SELLERS list your elevators and buyers buy your elevators thru John A. Rice, Frankfort, Ind.—Reliable Broker 10 years.

ELEVATORS AT ALL PRICES FOR SALE ALL THE TIME. Get ready for the new crop and write, wire, or phone for an interview if you want to buy an elevator. I have what will suite you. James M. Maguire, Campus, Ill.

MILLS FOR SALE.

FOR SALE—Water power mill with two dwelling houses, one store house and 29 acres of land. For particulars address Chas. M. Rogers, Imlaystown, New Jersey.

FOR SALE—A 50 bbl. mill in good running order, 10 acres of ground goes with it. Water or gasoline power. A bargain, if taken at once. For further particulars write Geo. W. Olson, Cedar, Kansas.

OREGON—For Sale, old established 60-bbl. flour mill, water power, in growing county seat of 2,500 population, in the heart of the famous Willamette Valley. Two railroads, only mill in town. Large local trade. Will sell at a bargain owing to ill health. For particulars address J. L. Sweeney, Box 718, Dallas, Polk County, Oregon.

NEW YORK—Flour and feed mill of 30 bbl. capacity, rye or buckwheat; 3 run stones; 2 for flour and one for feed. Never failing stream, 12 ft. head, good log dam. On the Central New England Ry. freight depot on mill property. Property contains 3 acres of ground, very good house, mill building, barn, coal shed, wagon scales, etc., all in excellent condition. Henry Buerman, Gallatinville, N. Y.

FLOUR MILL FOR SALE.

For Sale at Public Auction—A splendid 50 barrel Nordyke & Marmon Plansifter system and feed mill, fully equipped, steam plant. Located in Tippecanoe City, Miami County, Ohio, a town of 2,000 population, steam and electric railways, fine agricultural community, fifteen miles north of Dayton, and out of the flooded district of 1913.

This property will be sold at public auction at the door of the court house in Troy, Miami County, Ohio, Saturday, October 2, 1915, at ten o'clock A. M.

Sold under foreclosure, title good. Appraised at Fifty-Five Hundred Dollars (\$5500.00) and cannot be sold for less than two-thirds of the appraisement. This property is a bargain at the appraisement.

For further information address

E. H. & R. A. Kerr, Attorneys,
Tippecanoe City, Ohio,
Miami County.

AGENTS WANTED.

MR. GRAIN DEALER.

Do you want to increase your profits? You can do so by selling King Lightning rods during your spare time. Write us for agency proposition. It's a winner.

Geo. M. King Mfg. Co.

609 E. Walnut St., Des Moines, Ia.

SCALES FOR SALE.

2ND HAND scale auto & hopper. Good-man Scale Co., West Union Bld., Chicago.

SECOND-HAND SCALES OF ANY make, size or price find many ready buyers if full description is given in an advertisement inserted in the "Scales For Sale" column of the Grain Dealers Journal, Chicago.

HELP WANTED.

WANTED—Manager for farmers' elevator company; must have experience and references. Reservation Farmers Elevator Company, St. Ignatius, Mont.

WANTED—Superintendent for small Feed Mill and Elevator in Ontario, Canada. Must be a good judge of grain and thoroughly familiar with all kinds Cattle, Horse and Poultry Feed. Give particulars of positions previously filled, salary expected and age. Must be able to furnish suitable references as to character and ability. Address Falls, Box 4, Grain Dealers Journal, Chicago, Ill.

INFORMATION BURO

READERS DESIRING to learn by whom, or where any grain handling machine or device is made, can generally obtain it promptly by addressing Information Buro, Grain Dealers Journal, Chicago, Ill.

SITUATIONS WANTED.

POSITION WANTED as traveling grain solicitor or manager of grain elevator. Experienced, A1 references. Address Dell, Box 5, Grain Dealers Journal, Chicago, Ill.

POSITION as bookkeeper with grain firm; 15 years' experience; can handle cash futures and traffic. A1 references. Write James, Box 5, Grain Dealers Journal, Chicago.

WANTED SITUATION buying grain. Have eleven years' experience. Best of references. Still employed but desire to change. Address Great, Box 6, Grain Dealers Journal, Chicago.

SITUATION WANTED as manager of Line Elevator Co. Have had 3 years' experience. References. Willing to start at reasonable salary. Address Dora, Box 5, Grain Dealers Journal, Chicago.

SITUATION WANTED as Mgr. Farmers or Private Elv. at once; 10 yrs.' experience all branches of grain business; not afraid to hustle; references. Address X. R., Box 4, Grain Dealers Journal, Chicago.

WANTED POSITION as manager of elevator or mill. Years of practical experience; best of references. Now employed but desire change. Address Rosemont, Box 5, Grain Dealers Journal, Chicago, Ill.

SITUATION WANTED by man 38 years old, eleven years in grain business. Can go to work on short notice at reasonable salary. Married. References. Address Wal, Box 4, Grain Dealers Journal, Chicago.

SITUATION WANTED in grain business where I can get steady work, such as buying and selling. Experience. Best references. Reasonable salary. Address Bud, Box 5, Grain Dealers Journal, Chicago.

MANAGER wants position. 15 years' experience in elevator and milling business. Would like to correspond with company looking for a first-class man. Address Not., Box 3, Grain Dealers Journal, Chicago, Ill.

WANTED—Position as Manager of Elevator; 20 years' experience in Elevator and Milling business. Can furnish best of references as to character and ability. Address E. M. C., Box 4, Grain Dealers Journal, Chicago, Ill.

POSITION WANTED as grain buyer or flour salesman. Have wide acquaintance in all sections and 20 years' experience and thoroughly familiar with all phases of business. Address George, Box 5, Grain Dealers Journal, Chicago, Ill.

POSITION WANTED with grain commission or elevator Co. Book-keeper, good judge of grain. Handle cash or futures. Employed manager of large country elevator. Want to change. References and bond if required. Address Chance, Box 6, Grain Dealers Journal, Chicago, Ill.

SITUATION WANTED—Young man with experience in both country and receiving end of grain business, desires office position with good mill, commission house, broker or exporter. Expert book-keeper, competent office man and can handle traffic. Now managing farmers' elevator. Desire to change because wish better environment for two growing boys. Able to manage branch office. Address Cal, Box 5, Grain Dealers Journal, Chicago, Ill.

ARE YOU looking for a position in any branch of the grain business? If you are send us your name, address, nationality, languages spoken, experiences, salary expected, references, in fact any information that will help an employer to form an idea of your ability to serve him. We will keep this information on file and from time to time place you in touch with elevator owners who seek competent help. This service will be absolutely free, placing you under no obligation whatever. Write today and get in line for a good position. Address—The Want Ad Man, Grain Dealers Journal, Chicago, Ill.

SITUATIONS WANTED.

WANTED POSITION in Grain Elevator as second man. Can furnish good references. Address J. B. Dawson, Gifford, Ill.

WANTED—Position with good, reliable hay or grain firm. Manager or solicitor; 10 years' experience; best references. Address Wisconsin, Box 5, Grain Dealers Journal, Chicago, Ill.

ENGINES FOR SALE.

ANY KIND, ANY SIZE, ANY PRICE gasoline engine which is not in use and which you wish to sell, will find many ready buyers if advertised in the "Gasoline Engines" column of the Grain Dealers Journal, Chicago. Try it.

FOR SALE—BARGAINS.

1—12 HP. Badger Lauson\$165.00
1—12 HP. Stover 275.00
1—20-25 HP. Nash, two cyl. 385.00
1—22 HP. Fairbanks Morse 315.00
1—25 HP. Fairbanks Morse Special
electric lighting engine 450.00
1—25 HP. Milwaukee 275.00

Badger Motor Co., Milwaukee, Wis.

GASOLINE ENGINES FOR SALE.

44 H. P. Fairbanks-Morse.
25 H. P. Columbus.
25 H. P. Fairbanks-Morse.
22 H. P. Fairbanks-Morse.
15 H. P. Fairbanks-Morse.
12 H. P. Fairbanks-Morse.
6 H. P. Fairbanks-Morse.
4 H. P. Fairbanks-Morse.

Also fifty engines of varied sizes and all makes. Address A. H. McDonald, 547 W. Monroe St., Chicago, Ill.

DYNAMOS—MOTORS

DYNAMOS AND MOTOR BUYERS are reached in largest numbers and less expense by offering them for sale in the grain trade's accepted medium for power bargains—the "Dynamos—Motors" columns of the Grain Dealers Journal, Chicago.

FOR SALE—MOTORS.

50 H.P. General Electric A. C., 3 phase.
25 H.P. Western Electric A. C., 3 phase.
20 H.P. General Electric A. C., 3 phase.
10 H.P. Westinghouse A. C., 3 phase.
7½ H.P. Westinghouse A. C., 3 phase.

Write for prices. All motors guaranteed and sent on approval to responsible parties. Northwestern Electric Co., 611 W. Adams St., Chicago, Ill.

SECOND-HAND BAGS AND BURLAP.

FOR SALE—4,000 second-hand cotton grain bags, holding 2½ bus. wheat, price 11c f. o. b. St. Louis. Will sell from 100 bags up. Write Foell & Co., 123 Market St., St. Louis, Mo.

BURLAP BAGS OF EVERY KIND FOR SALE; new or second-hand, plain or printed with your brand; Seamless Cotton Grain Bags; Sample Bags, Burlap, Cotton Sheet- ing, or Paper for Car Lining, etc. Wanted: second-hand bags, best prices paid. WM. ROSS & CO., 409 N. Peoria St., Chicago

PROPOSALS.

PROPOSALS FOR FORAGE.—Office of Department Quartermaster, Chicago, Ill.—Sealed proposals will be received here until 1 p. m. Central Time, Sept. 22, 1915, and then opened, for furnishing 8000 tons of hay and 7000 tons of oats. Further information on application.

Sympathy never sold a feed mill, but a Journal "For Sale" ad has. Try it.

MACHINES FOR SALE.

FOR SALE—One second hand corn sheller. Address Box 614, Monticello, Ind.

FOR SALE—King Buck Horn Machine in good condition at a bargain. Address C. C. Norton's Sons, Greenfield, Ohio.

FOR SALE—Barnard & Leas, sizes 156, 1200 bus. hour capacity grain cleaner-separator in first-class running order. Great bargain. T. W. Claussen, Houston, Tex.

ONE double feeder pop corn sheller, one fanning mill with sieves in good condition. Apply John Pye, 149-151 W. Kinzie St., Chicago, Ill.

ELEVATOR OPERATORS wanting good second-hand elevator machinery or supplies invariably make their want known thru the "Machinery Wanted" columns of the Grain Dealers Journal, Chicago.

FOR SALE—One boiler 16' by 54", 34 4" tubes. One 9x16 Brownell Automatic Steam Engine, water heater and feed pump. Too large for elevator. Cheap for quick sale. O. Klepinger, Ingomar, O.

WANTED—Grain Dealers who are contemplating installing new machinery to use the "Machinery Wanted" columns of the Grain Dealers Journal in securing prices and estimates of machines for sale. We can save you money. More than value received.

FOR SALE—2 No. 6 Power Monitor Mills for Seed and Grain; originally cost \$700; made at Silver Creek, N. Y.; in good working condition; capacity of clover 60 to 75 bushels each per hour, with large set of screens, including screens for alsike and timothy. Price \$100 each, f. o. b. cars Toledo.

Also 1 Buckhorn machine made at Jerseyville, Ill. Practically new; price \$85. W. H. Morehouse & Co., 1004-1006 Second National Bank Bldg., Toledo, Ohio.

96% EFFICIENCY IN CRACKING CORN.

Our Method—We have devised a new method for making cracked corn which will give you 96% efficiency and at the same time give you a product that is even and unexcelled in quality. In fact, we steel cut every kernel of corn instead of grinding them, which eliminates the fine or undesirable product to 4 per cent. Our method is not only for corn but is adapted for Wheat, Rye, Barley, Rice, Peas, Kaffir Corn, etc., also cutting the grains to any degree of fineness desired.

By using our special corrugation we increase your capacity 25% more than at present, with 20% less power and give you a finished product superior in every detail.

It pays for itself—Taking into consideration the power saved, the increase in capacity afforded, the extra quality in product made, and finally the elimination of almost all of fine material created under the old way (which sells for less than cracked corn) means that our method will pay for itself in a short time.

Under the old way, a cracked corn separator is necessary, but with our method for general work, this machine is not required.

The results already stated will save you money on each bushel of corn, also the extra quality of product your customers receive will please them to the end of satisfaction, which will mean more sales, larger sales and finally greater profits; taking this into consideration no wide awake, energetic feed mill operator should lose any time in investigating our method. Write for information at once stating the kind of mill you now use for cracking corn.

Samples of cracked corn made by our method will be sent to any one upon request.

B. F. GUMP CO.,
431 to 437 So. Clinton St.
Flour Mill and Elevator Machinery.
Chicago, Illinois.

MACHINES FOR SALE.

Can save and make money for you. Entire line of remodeled guaranteed 2nd hand machinery must be sold within 30 days. Any size or make. Single and Double Head Attrition Feed Grinders and Corn Crackers. Single and Double 2 and 3 Pair High Roller Mills, Reels, Packers, Grain Cleaners, for all purposes. Boilers, Motors, Water Wheels, Burr Mills, Crushers, Shellers, etc. Can supply any thing new or 2nd hand for Flour or Feed Mill, Grain Elevator, etc. Satisfaction guaranteed. Write for Prices at Once.

George J. Noth,
9 South Clinton St., Chicago, Ill.

MACHINES WANTED.

WANTED—Grain drier. Write full particulars. W. A. Woodward, Urbana, Ohio.

WANTED—To buy second hand oat clipper; also three pair high meal roll, in good condition. Webster Co., San Antonio, Tex.

MACHINES not in use can quickly be sold by an advertisement in the "Machinery For Sale" column of the Grain Dealers Journal, Chicago, Ill.

FERRETS.

FERRETS FOR SALE—Exterminate your rats at small cost. Catalogue and price list free. C. H. Keefer & Co., Greenwich, O.

HAY FOR SALE.

PRAIRIE HAY—If you want Prairie Hay, write or wire the Osage City Grain & Elevator Co., Osage City, Kas.

GRAIN WANTED.

WANTED heavy, bright Montana oats and Barley. Lewis Grain Co. Chamber of Commerce, Buffalo, N. Y.

WANTED—One hundred cars oats, straw, timothy hay, heavy bright Montana oats. Send sample. C. T. Hamilton, New Castle, Pa.

GRAIN FOR SALE.

Wanted, Buyers of white wheat to advise their wants. We can supply you. Farmers Grain Co., Denver, Colo., Railway Exch.

GRAIN TRIERS

which will not clog or bind. Steel tubing fitted with maple pole. Point is turned of solid bar steel. Top is fitted with a bronze cap. Trier is 56 x 1 3/4 inches and has eight openings.

OTTO KELLNER, JR., 4028 So. State St., Chicago, Ill.

NUNGESSER-DICKINSON

SEED CO. NEW YORK, N. Y.

EXPORTERS AND IMPORTERS

GRASS and CLOVER SEEDS**THE STANFORD SEED CO.**

Buffalo, N. Y.

WE BUY

TIMOTHY—CLOVER—ALSIKE

Why not try the Buffalo Market?

Whenever there is a real opportunity of interest to the grain trade it is usually registered in the "Wanted—For Sale" columns of the Journal.

**Directory
Grass Seed Trade****ATCHISON, KANS.**

Mangelord Bros. Co., The, wholesale seeds.

BALTIMORE, MD.

Buffington & Co., John J., whse. seed merchants.
Scarlett & Co., Wm. G., whse. seed merchants.

BELFAST, IRELAND.

Lytle & Sons, Ltd., John, Per. & Ital. Ryegrasses.

BUFFALO, N. Y.

Stanford Seed Co., The, Seed Merchants.

CHICAGO, ILL.

Dickinson Co., The, Albert, seeds.
Illinois Seed Co., The, grass and field seeds.

EVANSVILLE, IND.

Small & Co., W. H., seeds, grain and hay.

INDIANAPOLIS, IND.

Indiana Seed Co., The, Seed Dealers.

KANSAS CITY, MO.

Missouri Seed Co., who. exp. and imp.
Peppard Seed Co., J. G., grass and fld. seeds.
Rudy-Patrick Seed Co., wholesale seeds.

LONDON, ENGLAND.

LeMay & Co., C. W., w'sale, exp. & imp. fld sds.

LOUISVILLE, KY.

Lewis & Chambers, field seeds.
Louisville Seed Co., clover and grasses.
Ross Seed Co., field seeds, exporters.

MILWAUKEE, WIS.

Courteen Seed Co., field seeds.

NEW YORK, N. Y.

Nungesser-Dickinson Seed Co., who., exp. & imp.
Radwaner, I. L., field & grass seeds, exp., imptrs.

PHILADELPHIA, PA.

Philadelphia Seed Co., Inc., The, whse. field sds.

ST. JOSEPH, MO.

Mitchell Bros., grass and field seeds.

TOLEDO, OHIO.

The Toledo Field Seed Co., clover, timothy.

WE BUY AND SELL

Wheat Screenings, Cane Seed, Salvage Wheat, Kaffir Corn. Write or wire for prices.

HENRY LICHTIG & CO., Kansas City, Mo.

Clover Seed Active

With approach of critical crop making season, clover seed futures are increasingly active. Prices latter part of season generally cover wide range. Toledo is center of clover trading. Our facilities are complete. Inquiries and orders receive immediate attention. Daily letter with latest news views on request.

SOUTHWORTH & CO.

901-2-3 Second Nat. Bank Bldg., TOLEDO, O.

The Market Is Lower!

Ask for
SPECIAL PRICES ON

**COTTON
GRAIN
BAGS**

COURTEEN SEED CO.
MILWAUKEE, WIS.

SEEDS FOR SALE—WANTED

SEEDS FOR SALE.

FOR SALE—500 bushels white rice pop corn, ear or shelled. F. H. Culbertson, Carroll, Iowa.

FOR SALE—Timothy Seed, Alfalfa, Red Clover. Edward Bartling Seed Co., Nebraska City, Nebr.

SWEET CLOVER SEED—White and biennial yellow. Large and small orders solicited from the trade. Bokhara Seed Co., Box 93, Falmouth, Ky.

FOR SALE—Pure white blooming sweet clover seed. \$12.00 per bushel of 60 pounds. Now is a good time to sow this valuable plant. E. G. Finnup, Garden City, Kans.

FOR SALE—Perennial Ryegrass, Italian Ryegrass and Crested Dogstail. Highest grades re-cleaned and tested. C. I. F. U. S. ports. Samples and offers on request. McClinton & Co., Belfast, Ireland.

SEED BUYERS AND SELLERS can quickly sell any quantity or buy any amount or quality by making their wants known through the "Seeds Wanted—For Sale" columns of the Grain Dealers Journal, Chicago, Ill.

SEEDS WANTED.

100 BUS. 1915 crop medium Red Clover wanted. Send price and sample in first letter. E. G. Lewis, Media, Ill.

WE WISH TO BUY Red, Alsike and Bastard Clovers, Timothy, Cocksfoot, Meadow fescue. John Lytle & Sons, Ltd., Belfast, Ireland.

I WILL BUY round lots, country run or re-cleaned Alsike, Sweet Clover, White Clover. Send samples and prices care of BECO, Box 5, Grain Dealers Journal, Chicago.

SEEDS WANTED—Red & Sapling Clover, R Top, Timothy, Orchard Grass, Blue Grass. Quote prices. Send samples. L. B. STRICKER, Seedman, Asheville, N. C.

FLOUR FOR SALE.

MIXED CARS of flour and mill feeds in 100 pound sacks are our specialties. We are now manufacturing a full line of corn goods, cracked corn, feed meal, corn and oats chop, Ohio Farm feed, shelled corn and standard oats, in connection with our flouring mill. Would like to send you a trial to convince you of the superiority of our products. Ansted & Burk Co., Springfield, Ohio.

CRABBS REYNOLDS TAYLOR CO.
Crawfordsville, Ind.

GRAIN
CLOVER AND TIMOTHY SEEDS
Get in touch with us.

The Toledo Field Seed Co.

Clover and Timothy Seed
Consignments solicited. Send us your samples.
Toledo, Ohio

"MAY BELL" Brand Pure Field

WE BUY SEEDS WE SELL
ROSS SEED CO., Louisville, Ky.

NEW-CROP
TIMOTHY
CLOVER
ALSIKE
ALFALFA

And Other Field Seeds

SHIPPERS

Send Samples for Bids

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Ask for Prices

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1521-35 S. Peoria Street
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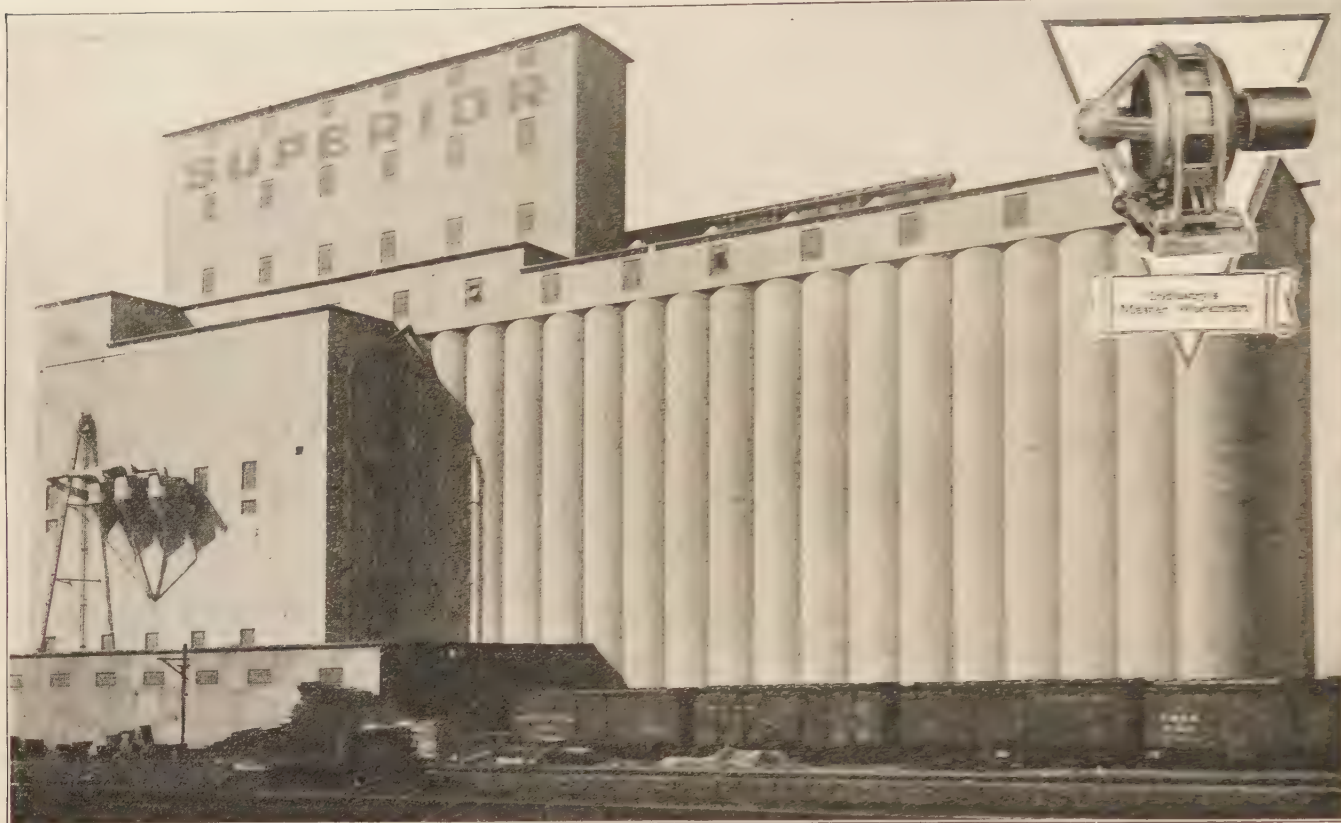
TIMOTHY
SEED

Do you want to know about the best timothy seed proposition in the country? We've got the biggest seller. You get more than so much seed. You get expert advertising and selling co-operation to help you sell the seed to your farmers.

Ask for prices and particulars.

The Albert Dickinson Co.
Seed Merchants
Chicago Est. 1855 Minneapolis

RED CLOVER
RADWANER
NEW YORK



The Superior Elevator at Buffalo, N. Y.

G-E Motors in New Grain Elevator

Electric power with G-E motors is used throughout the new Superior Grain Elevator at Buffalo New York. In excellence of design, construction and equipment, this elevator reflects the long experience and wisdom of its owners.

The plant has been in continuous operation since November 9, 1914. During the first three weeks over two million bushels of grain was handled. Boats were unloaded by electric power at the rate of 25,000 bushels an hour and cars emptied on an average of 100 carloads in a ten hour day.

G-E motors are chosen by the most progressive mill and elevator owners because of their extreme reliability, ease of operation and absence of fire risk.

Write our nearest office for bulletin 4976

General Electric Company

Atlanta, Ga.
Baltimore, Md.
Birmingham, Ala.
Boston, Mass.
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Chattanooga, Tenn.
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General Office: Schenectady, N. Y.

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Joplin, Mo.
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Minneapolis, Minn.
Nashville, Tenn.

New Haven, Conn.
New Orleans, La.
New York, N. Y.
Niagara Falls, N. Y.
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Richmond, Va.
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Schenectady, N. Y.
Seattle, Wash.
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Syracuse, N. Y.
Toledo, Ohio
Washington, D. C.
Youngstown, Ohio

For Michigan Business refer to General Electric Company of Michigan, Detroit.

For Texas, Oklahoma and Arizona business refer to Southwest General Electric Company (formerly Hobson Electric Co.), Dallas, El Paso, Houston and Oklahoma City. For Canadian business refer to Canadian General Electric Company, Ltd., Toronto, Ont.

GRAIN DEALERS JOURNAL

[Incorporated]

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A Red Wrapper on your Journal means your subscription has expired.

THE ADVERTISING

value of The Grain Dealers Journal as a medium for reaching progressive grain dealers and elevator men is unquestioned. The character and number of advertisements in its columns tell of its worth. If you would be classed with the leading firms catering to the grain trade, place your announcements in the Journal.

Advertisements of meritorious grain elevator machinery and supplies and of responsible firms who seek to serve grain dealers are solicited.

LETTERS

on subjects of interest to those engaged in the grain trade, news items, reports on crops, new grain firms, new grain elevators, contemplated improvements, grain receipts, shipments, and cars leaking grain in transit, are always welcome.

Entered at the Chicago, Ill., Post Office as Second-Class Matter Aug. 5, 1898.

CHICAGO, SEPTEMBER 10, 1915

UNLESS JACK FROST is induced to postpone his promised visit until after the first of October, the amount of immature corn of poor quality will bring despair to many country elevator men in the corn sections.

INCUBATORS ARE recommended by the Seed Laboratory of the Minnesota State University for testing the germination of seeds. Most farmers have incubators which are idle during the winter, so it should afford an easy and inexpensive means for testing their seed corn.

MUCH TALK has been indulged by speculators lately as to the probability of Canada's removing its duty on wheat and thereby obtaining admission for its surplus wheat to the United States free of duty. Inasmuch as the United States will have considerable surplus, it does not seem likely that much Canadian wheat will be needed to supply the wants of the millers.

THE HIGH COST of insurance on wooden terminal elevators and their contents prohibits the rebuilding of any of the old plants of any but fireproof material. Insurance is such a large factor in the cost of storing grain in wood elevators of terminal markets that such houses can hardly compete with the more modern fireproof plants, and the time must soon come when wood will no longer be used in terminal elevator construction.

FIVE ACCIDENTS to grain elevator employees are reported in this number. Two are traceable direct to roller mills: one to unprotected shafting and one to the indiscretion of a man who insisted on soaping a belt while it was in motion. At least two of these accidents could easily have been prevented by the installation of guard rails.

THE FEDERAL Crop Reporting Bureau is reported to have decided to revise its figures on the winter wheat crop. The opinion prevailing thruout the trade in the winter wheat section is that the figures are sorely in need of revision. In nearly every part of the winter wheat section the opinion is held generally that the 1915 crop was materially reduced by the continued downpour.

SO FEW of the country elevator men who sold wheat and oats for July or even August delivery were able to fill their contracts it is doubtful if any will be induced to contract either for the purchase or sale of new corn much before January. The urgent demand for grain driers and conditioners has forced the manufacturers to work overtime and unless we soon have hot dry weather to help the new corn crop mature every dealer who handles corn will need a drier and conditioner attached to each end of every car shipped.

THE STING of the barn builder has been felt again, this time in South Dakota, and the grim joke of the matter is that the "stingee" knew full well just what would be the outcome. But the bait of the barn builder, his low bid, was so tempting that it was swallowed with hook, line and sinker. With so many legitimate and experienced builders in the field the man in need of an elevator will do well to avoid the incompetent, price cutting barn builder. Let him acquire his elevator building experience at someone else's expense.

TWO PRACTICES, long ago discontinued by most grain dealers, are complained of in the Letters columns of this number. Buying a grower's crop while it is still uncut, or taking the entire crop of a thresher with but one test for grade is about as unbusinesslike as trying to make money locating the gambler's illusive little pea at the county fair. Suppose the terminal market receiver were to buy grain on the strength of the appearance of the car which carries it to market? Still that is exactly the position of the grain dealer who buys a field of wheat after a casual glance over the ground. And does the man who buys grain on a single test suppose the terminal market will accept it on the same basis? The wonder is these men can hang on as long as they do, but the more business taken on any such basis the sooner will the business community lose one more merchant on account of careless methods.

THE PERCENTAGE of wild oats in the receipts of new spring wheat at Minneapolis is so large as to materially reduce the value of the new grain from country elevator men whose plants are not equipped to separate the two grains and load them into separate cars. Notwithstanding Nature did the mixing in this case the Agricultural Dep't inspectors are very likely to blame the grain dealer and confiscate his shipment unless he bills it "oats mixed wheat" or "wheat with 9% oats." If the Agricultural Dep't is to continue to insist upon its close classifications of all grains some scheme must be devised to pass the punishment on to Dame Nature, who is to blame for much of this undesirable adulteration.

TWENTY grain elevator fires are reported in our news columns of this number. Four of these fires were known to have been caused by lightning; one from oil waste, which fortunately was stored in a fireproof power house; one from explosion of dust, and one by a careless tramp. One fire was due to exposure from a burning freight car on an adjoining track and two of the fires are reported to have started in the cupola. So many fires are credited to unknown causes that it seems time the grain dealers and the mutual fire insurance companies making a specialty of insuring grain elevators, should make a more earnest effort to discover the true cause of each fire to the end that elevator owners may be warned against losses from the same cause. Dealers in reporting fires will assist in reducing fire hazards by giving all the information they have which may give any clue whatever as to the cause of the fire.

CROCODILE TEARS are being shed copiously by the agents of some railroad owned lake transportation companies which are now disposing of their lake vessels. In fact the general agent of the Rutland Transit Company has recently grieved sorely over the inability of his company to sell boats to any one who would continue their operation on the Great Lakes. He fears that the shippers of freight usually routed lake and rail will soon be compelled to route everything all rail unless the shippers discover the threatening disaster and beseech the Interstate Commerce Commission to reconsider its decision and permit the railroads to continue to operate the steamships, thereby giving the shippers protection from the greed of the traffic managers of the all rail routes. According to Mr. Millard's view when the railroads operate steamships they are very liberal with the shippers but when they operate railroads they are very exacting. Remarkable tho it may seem, the shippers go right along, and do not seem to worry a bit over the threatened disappearance of railroad controlled steamship lines from the Great Lakes.

SHINGLE ROOFS have contributed so largely to the fire losses of one company specializing in grain elevators that it is now refusing to write any additional risks equipped with this hot spark catcher.

OATS shippers who have been frightened by recent seizures of bleached oats should take courage from the decisions of the courts in the Hall-Baker and the Dousman Milling Co. cases. In the one case the shipper was held by the court to be protected by the state inspection certificate, and in the other case the trade custom in milling graham flour to eliminate the coarse bran was held superior to the arbitrary Department of Agriculture definition requiring the graham flour to be unbolted. In other words, since the trade understanding permits 5 per cent of barley in oats, the federal government will not have the support of the courts in seizing barley mixed oats, or oats containing the moisture natural to the present crop.

THE OLD CALL rule of the Chicago Board of Trade, which was designed primarily to force track buyers to pay as much on the Exchange for grain as they were willing to bid outsiders, has finally come under the disapproval of Judge Landis, who has issued instructions to the Dep't of Justice to draft an order enjoining the Board from enforcing the rule. A deep seated prejudice against anything that looks like a trust seems to have wielded a potent influence in the formation of this conclusion. The original and true purpose of this rule was to maintain a free and open market on the Board, and thus assist in preventing the centralization of the trade in the hands of a few strong buyers who might desire to handicap their weaker competitors and the Exchange by persistently bidding higher for grain outside than on the floor of the Exchange.

THE "SAFETY FIRST" idea is gaining with the operators of country elevators, especially as it may affect their relations with their farmer patrons. So many accidents have occurred as the direct result of steep, narrow and slippery driveways that elevator men in all parts of the country are building better driveways in the hope of making it easier and safer for the farmer to haul grain to their dumps. The Fullerton Elvtr. Co., of Fullerton, N. D., has just advised us of a new approach recently completed by it which is constructed between two 12 inch concrete retaining walls along each side of the driveway. The road was built up of clay, with a 10 inch top dressing of gravel, and the walls extend far enough above the roadway to make it almost impossible for either horse or wagon to get off of driveway. They write "We have no further fear of injury to horses or wagons as the result of broken planks." The improvement is not a very expensive one, but it is one which will pay good interest on the investment.

LEAKING in Transit Reports to the trade thru the Grain Dealers Journal have resulted in many shippers collecting for grain lost in transit notwithstanding the car arrived at destination in "apparent good order." The evidence of eye witnesses who have seen cars leaking seems to weigh heavier with the railroad claim agents than even the car condition reports of the blinder-wearing inspectors. When you see a car leaking grain favor your brother shippers by reporting all of the facts to the Journal for free publication.

THE TRAVELING barrels of oil and grease which have been "misrouted" by a Cleveland shipping clerk, oh! so many times during the past thirty years, are again beginning to make their appearance, and some dealers seem to be willing to take the barrels "at a station near their town" at the very reasonable price quoted by the Cleveland faker. It is wonderful how many suckers can be caught by the same trick, notwithstanding the trade press has published many pages devoted to the exposé of this flimsy scheme for marketing grease and oil of poor quality.

COUNTRY GRAIN BUYERS owe it to themselves to admit no grain to their elevators without first having a distinct understanding as to whether or not the farmer is willing to take the day's price which is being paid for grain, or wishes to wait until he has finished hauling his grain to town. Indefiniteness in this matter, while the markets are vacillating, is sure to result in many disputes and trying differences between farmers and the elevator man. When a scale ticket is issued and the price stipulated, no opportunity is given the farmer to come in later and insist that sale was or was not made at time of delivery. Where an accurate record is kept in writing of each transaction, and a copy given to the farmer, no opportunity is afforded for either misunderstandings or disputes. It is the safer and cheaper way of doing business.

CLAIMS FOR loss of grain in transit have been paid on many cars which according to the claim agent arrived at destination in "apparent good order." In some cases the shippers have been able to prove to the claim agent that the shipment was seen leaking grain in transit. In others, shippers proved that the weights obtained at loading and unloading points were correct, so nothing was left for the claim agent to do but pay the claim. High priced grain is always attractive to the thieves of the railroad yards, and so long as the old practice of sealing all cars with seals of the same kind and numbered alike prevails, it is almost impossible to detect the breaking of the seal, but where shippers lock cars with their own seals, numbered consecutively, and report the numbers of the seals on their bills, it is a comparatively easy matter to tell whether or not car has been broken into. These seals are so inexpensive no shipper can afford to try to do business without them.

Do Business at a Profit or Not at All.

Country grain buyers in all sections of the country are beginning to realize that they have been handling grain on too small a margin. Continued agitation of the subject, combined with the absence of profits from handling crops in recent years, has finally convinced the majority of the country elevator operators that they must work on a much wider margin, if they are to realize any returns from the employment of their capital and labor.

The good work of Mr. Butler with the grain dealers is being extended to the bankers, in the hope of inducing those who lend money to grain dealers to keep a closer watch on their methods of dissipating their resources. With the discarding of careless methods of management and accounting, it will be much easier for dealers everywhere to realize a living profit from the business. The greatest trouble of the past has been that the majority of dealers have not realized that they were actually losing money, hence there was no impetus to change their methods, until the end of the year, when their bank balance showed a painful shrinkage. The realization that the year's business has resulted in a very large loss or a very small gain, invariably has been followed by a firm resolution to reform, but the eagerness to move a lion's share of the new crop has generally overshadowed the painful memory of the lost opportunity of the previous crop, and the old policy of "Get the grain at any price" has started the dealer on another year of narrow margins.

The agitation against cut-throat competition should be waged vigorously and a campaign of education conducted, to establish the country grain dealer's right to living returns from the service rendered in the accumulation and distribution of grain. The wide variation in the many factors entering into the cost of handling grain through a country elevator makes it impracticable for any dealer to accept the figures of another dealer as a guide in determining the margin upon which he can afford to handle grain. The only way to determine the actual cost is to keep an accurate record of all the actual expenses and apportion it over the average amount handled during the crop year. Dealers who keep an accurate record of the cost will involuntarily change their methods or else engage in some other line of business. No sane man can be expected to throw away his money, time and labor in a losing game. To do so insures early and certain business suicide.

THE INCREASING number of elevators equipped with dust collecting systems proves that even the Doubting Thomases among the elevator men are beginning to realize the great danger of dust explosions and are seeking to prevent them by removing the dust. Many men have worked about dusty, dirty plants so long they have become oblivious to the dust explosion danger, and trod along in the same old rut until the sides of their plants are blown out and their employes or their neighbors are killed and maimed. Thereafter they are unwilling to take any chances, and see to it that all dust is collected and sold to the feed maker.

Grading of the New Crops.

Until the new spring wheat began to come on the market this September the quality of all new grains has been uniformly poor. Spring wheat has been the exception that enjoyed perfect harvest weather, winter wheat, oats and barley having been damaged by wet weather during the summer.

Out of 9,728 cars of winter wheat received at Chicago during August 2569 cars or 26% graded No. 3 red, against only 7 per cent grading so low during August, 1914. Of this year's arrivals of winter wheat 18% graded No. 4, against only 4% so grading in August last year.

Of the oats arriving at Chicago during August only 2% graded standard, against 35% making that grade a year ago, the No. 4 whites however making up 27% of the receipts this year, against only 5% last year.

More barley of feed grade was received during August than during the five Augusts preceding, together. Most of the barley is grading No. 4 this year.

The same poor grading is shown at the other terminal markets. At Minneapolis during the first week of September the arrivals of No. 2 winter wheat were but 68,610 bus., against 267,410 for the corresponding period a year ago. The oats are grading No. 3 and 4 white and the barley from No. 4 to feed.

At Minneapolis the one bright spot is the new spring wheat, much of the grain grading No. 1 hard and most of it No. 1 northern, two-thirds being No. 1 northern or better, while a year ago only one-fourth graded No. 1 northern or better. Most of the durum wheat is grading No. 1.

At Kansas City Sept. 8 out of 104 cars

winter wheat 64 graded No. 4 hard, and but 13 cars No. 2 hard.

Duluth Sept. 8 had 130 cars of No. 1 northern out of 250 received that day; and 48 cars of No. 1 durum out of 80 cars of durum the same day.

Baltimore out of 88 cars of oats Sept. 7 had 44 cars sample grade, and not a single standard grade.

Milwaukee's barley sales Sept. 8 were all but one No. 4 or lower.

It is hoped that the quality of the new winter wheat arrivals will improve as shock threshing has been completed and the farmers market the better grain in stacks.

Meantime buyers must discriminate sharply in the price paid for poor wheat in order to be in position to encourage the careful farmer and make a profit in handling the off grades. When sample grades, as at present, sell at Chicago around 70 to 80 cents, the buyer in the country can not afford to pay the price of good grain for the poor stuff.

To TEST BARLEY and find out if it has been limed to conceal smut, place a few kernels in a test tube and cover with water or alcohol. Shake the tube well, and if the barley has been limed to conceal smut the water or alcohol will be blackened; in extreme cases it will be as black as ink. The test for lime that has been used to conceal smut, stain, discoloration or any other damage is a solution one grain of dry phenolphthalein to two hundred centimeters of 25 per cent alcohol. Put the kernels into a dry test tube and pour enough of the solution over them to cover. Be careful not to shake the tube. The limed grains will turn crimson almost at once.

Leaking in Transit

Grain dealers can help brother sufferers in the collection of claims for loss by reporting to Grain Dealers Journal, Chicago, for free publication, the initials, number, place, date and condition of cars seen leaking grain in transit.

Recently we have received reports of the following leaking or bad order cars:

C. M. & St. P. 203712 passed thru Ferguson, Ia., Sept. 9, eastbound, leaking yellow corn at doorpost.—Farmers Elvtr. Co.

A. P. 535979 passed thru Atkinson, Ind., Sept. 8, southbound, leaking white oats at side near door.—Atkinson Grain Co.

G. N. 15652 passed thru Ada, Minn., Sept. 6, leaking wheat at end, also G. N. 120187, leaking wheat at both ends, and G. N. 19453 and G. N. 127449 leaking wheat at one end and G. N. 210857 leaking barley at one end.—John A. Munson, agt. St. Anthony & Dakota Elvtr. Co.

C. M. & St. P. 53700 was sidetracked at Rodney, Ia., Sept. 6, leaking wheat at side. Was transferred by section men to C. M. & St. P. 82314.—A. B. Doolittle, agt. Neola Elvtr. Co.

W. C. 18292 passed thru Clement, N. D., Sept. 4, leaking barley at both ends. Patched car in best possible manner during limited time we had.—W. H. Hazzard, agt. Minnecota Elvtr. Co.

N. Y. & — 114683 passed thru Bradford, O., Sept. 1, leaking oats badly at door.—Lloyd Weaver.

G. N. 126057 passed thru Preston sta. (Blanchard p. o.), N. D., Sept. 1, leaking wheat at hopper bottom truck. Did not have time to repair.—F. E. Cormack, agt. St. Anthony & Dakota Elvtr. Co.

T. St. L. & W. 5255 passed thru Rockford, O., Eastbound, Aug. 30, leaking oats at the corner.—Behymer Bros.

C. M. & St. P. 58070 was set out at Bayard, Ia., Aug. 28, on account of hot box. It was leaking white corn about 2 ft. from bottom thru siding at one end.—J. N. Loeltz, mgr. Farmers Elvtr. Co.

N. Y. C. 89483 passed thru Lanesville, Ill., Aug. 19, leaking grain badly at grain door.—Metcalf & Kinahan.

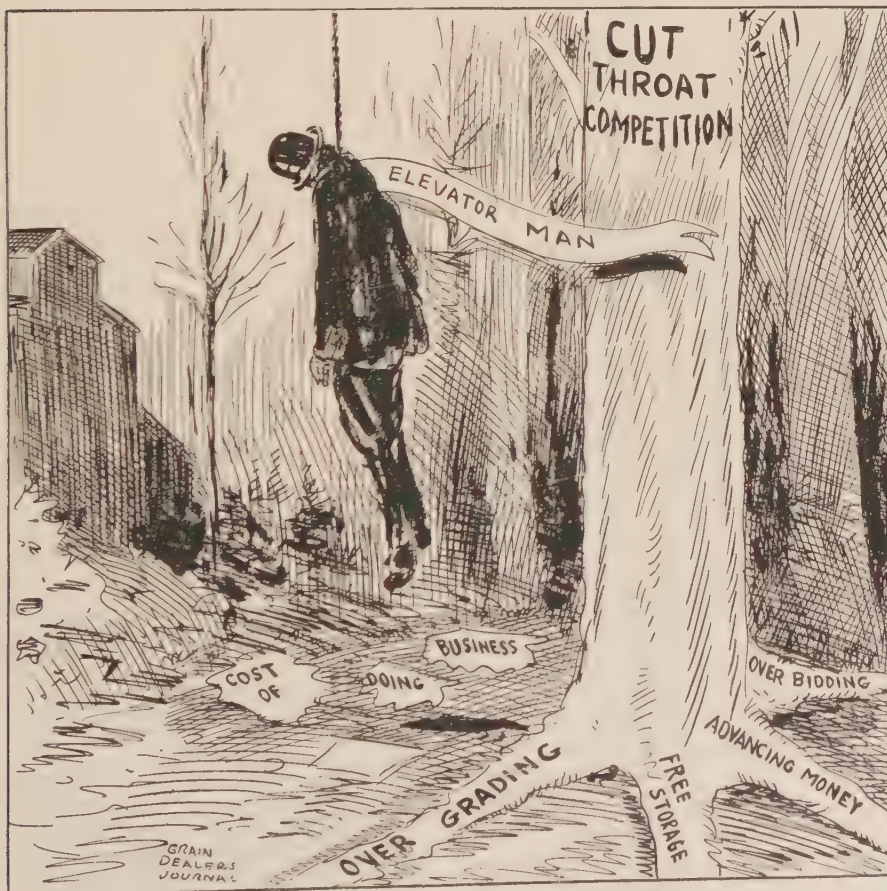
Wabash 67517 passed thru Liberty Center, O., Aug. 19, eastbound, leaking No. 2 red wheat badly at side.—O. J. Fredrick, engineer, Liberty Center Grain & Stock Co.

C. & O. 2601 passed thru Union City, Ind., Aug. 14, via C. C. C. & St. L. R. R., leaking wheat badly on side of car at 2 places, also Big Four 6764 leaking wheat badly at doorpost.—Pierce Elvtr. Co.

C. & A. 16247 loaded with wheat, had drawbar and part of end pulled out near Thayer, Ill. Was transferred at Virden, Ill., Aug. 12, by section men to N. C. & St. L. 14391. Looked as if ¼ of wheat had been lost.—J. M. Bradway, mgr. Virden Grain Co.

THE IRISH WHEAT crop covers 87,116 acres this year, against 36,913 acres last season.

CANADA'S ANNUAL PROBLEM of obtaining sufficient harvest help will be of greater proportions this year than heretofore. Every grower, early in the season, was urged by the Government to plant every available acre of ground to grain and the farmers heeded the warning. The result is that 30,000 extra laborers will be needed in the three grain growing provinces to assist in the harvest. The railroads are arranging to distribute helpers from the east to farmers along their respective lines.



Another Good Man Gone Wrong.

Letters

[Here is the grain dealers' forum for the discussion of grain trade problems, practices and needed reforms. When you have anything to say of interest to members of the grain trade, send it to the Journal for publication. It may draw out the views of others.]

Buying Uncut Grain.

Grain Dealers Journal: The grain trade here is in a very unsatisfactory condition, as the local buyers, for the most part, are inexperienced men. They have not only tried to handle wheat on a very small margin, but some have bot whole crops at a flat price before threshing. The buyer then must take all the chances on poor wheat and damp weather. Another custom is to take an entire crop from a thresher on one test for grade. We hope next season will see more favorable conditions.—Bromide Cotton & Grain Co., Bromide, Okla.

Extra Cost of Letting the Barn Builders Build It.

Grain Dealers Journal: We were "stung" again. It seems we will "bite," but this is in the game. We were requested by a lawyer at Faulkton, S. Dak., to meet with the directors June 26th and the farmers elevator company would let the contract for a 25,000 bu. elevator. The writer's intuition was strongly against making this point, as we had experienced so many queer propositions in Dakota. However, we took the chance and four days' time looking this up, and learned that a local "wood butcher" was to bid on the elevator. The usual custom of local barn builders is to advise the farmers elevator company that they will take the work for about \$100 less than the lowest bid submitted. Being "wise" to this proposition, we refused to submit a bid, unless they were sealed, submitted and opened at the same time. Mr. Local Barn Builder's bid was about \$1,000 below bids of reliable contractors. We had the evidence to offer, covering barn builders, house carpenters and others covering their endeavors to erect grain elevators. They discussed this to some extent, as they were from twelve o'clock till three o'clock in the morning, deciding to let the local man have the job.

At Yale, S. D., the farmers decided to build, and employed an inexperienced contractor. It is reported the elevator cost them \$9,000, and when the building was completed and turned over to them they dumped grain, but were unable to elevate it. After this difficulty was taken care of, other things came up which prevented their operating the house. It is further reported it cost them \$1,000 for repairs before they could really operate their house, and they still have a building that the worst "outlaw" would not even admit building.

At Oldham, S. D., the farmers company built several years ago on the same line, and last year they were compelled to rebuild.

A new company cannot be censored very strongly, as the directors do not know any better. They have not learned there is a difference between an elevator

and a "grain box"—the modern elevator with proper equipment well placed, and a lot of junk.—J. F. Younglove, Sioux City, Ia.

Leaky Bins Cause Shortage.

Grain Dealers Journal: An Ohio shipper, who is in the habit of taking a check off at regular intervals to determine if any grain has been lost, recently complained bitterly that the market to which he was making shipments was robbing him. Within two weeks, or since the last check off, he said, his business showed a shortage of 1,000 bushels.

This shipper was not one of the careless type, who depend upon a railroad claim to offset a loss caused by neglect in cooping. He was always willing to meet a man half way if, in his own mind, there was a possibility that one of his clerks might have erred.

Knowing the man's honesty, I was instructed by the Exchange to investigate. Satisfying myself that no irregularities had occurred at the terminal market, I visited the elevator, and after a brief conversation suggested to the dealer that we crawl under the structure to inspect the bottom of the bins for leaks. While willing to assist, he was positive that the bins were leak proof.

Prying open a small door to gain admission to that part of the building, our entrance was blocked by a solid mass of grain which had fallen from above. It was quite a job getting it back into the bins, after which the leaks were quickly repaired, but the amount reclaimed equaled exactly the shortage reported.—Chief Grain Inspector.

WESTERN CANADIAN farm organizations held a meeting at Winnipeg, Sept. 1, and passed resolutions urging all farmers to store as much of their grain as possible.

THE RUSSIAN grain elevator project, started in 1911, has been altered to include 81 elevators with a total capacity of 1,031,000 tons instead of 84 elevators with a capacity of 1,062,000 tons. Twenty-one of the plants are already in operation in the provinces of Tambov, Voronezh, Samara, Don Cossack, Saratof, Orenburg and Penza, and it is expected to have 12 more ready for the 1915 harvest. The elevators not only store and clean the grain, but even undertake sorting operations, advance money on grain, and sell on commission. The State Bank, which has supervision of the project, has fixed the minimum amount of grain which it will handle as 900 pounds, thus enabling the smallest of producers to avail themselves of the service. The standardization and amalgamation of small deposits into larger quantities is also being introduced.

Mixing Damp and Dry Wheat.

An experiment on mixing damp with dry wheat was made at Baltimore recently by the U. S. Dept. of Agriculture. One car of Pacific Coast white wheat containing 1098 bus. was mixed with one car of Eastern red winter wheat containing 1126 bus., and put into storage in an elevator bin. On July 29, samples taken from the white wheat while it was still in the car tested 9.7% in moisture.

Samples taken from the red wheat on July 31 while this wheat was also still in the car tested 15.1%. These wheats were thoroly mixed on Aug. 3 and the mixture was then put into storage in an elevator bin and allowed to remain there until Aug. 6, when it was transferred to another bin. Samples taken from the wheat at the time it was transferred tested 12.9% moisture for the red wheat and 12.2% for the white wheat. The wheat was allowed to remain in the second bin until Aug. 10 when it was transferred to a third bin. Samples taken at this time showed that the moisture content of the red wheat was 12.5% and of the white wheat, 12.0%. While the grain was still in the cars the red wheat tested higher in moisture by 5.4% than the white wheat.

By Aug. 6, or three days after the wheats were mixed, enough of the moisture from the damp wheat had been transferred to the dry wheat so that the difference in their moisture content at that time was only seven-tenths of one per cent. By Aug. 10, or one week after the wheats had been mixed, the difference in their moisture contents had been reduced to only one-half of one per cent.

The mixing of damp and dry wheat will facilitate the handling of the wet wheat this year. The miller who buys wet wheat and has some dry wheat to mix with it can obviate some of the extra work in handling the damp wheat to keep it in condition and also get it in shape for milling by mixing the two wheats together for a few days. This will also do away with part of the extra work in drying.

The Department suggests that one car of wheat can be dried down to a low moisture content and then mixed with another car of high moisture content wheat and time and labor be saved. If the mills or elevators are equipped so that they can mix and dry at the same time, this method will greatly increase their capacity for taking care of large quantities of damp wheat.

INDICATIONS for a bumper wheat crop in Australia are beginning to worry the government, which has guaranteed a price of 97c per bushel to farmers for all wheat grown on new land. Wheat is coming forward freely at present, the growers fearing that the market value later may be considerably below 97c.

The Grain Trade's Activity.

	1915.	1914.
WHEAT CROP, U. S., bus.....	981,000,000	891,000,000
Wheat receipts, primary markets, July 1, 1915, to Sept. 4, 1915, bus.....	57,585,000	109,558,000
U. S. wheat exports, July 1, 1915, to Sept. 4, 1915, bus.....	31,405,000	65,266,000
Argentine wheat exports, Jan. 1, 1915, to Sept. 4, 1915, bus.....	91,461,000	36,326,000
Wheat visible supply, Sept. 4, 1915, bus.....	7,767,000	30,019,000
Canadian visible wheat supply, Aug. 28, 1915, bus.....	2,349,000	5,897,000
FLOUR EXPORTS, July 1, 1915, to Sept. 4, 1915, bbls.....	2,179,100	2,239,500
OATS CROP, U. S., bus.....	1,408,000,000	1,141,000,000
Oats receipts, primary markets, July 1, 1915, to Sept. 4, 1915, bus.....	49,640,000	68,737,000
U. S. oats exports, July 1, 1915, to Sept. 4, 1915, bus.....	16,732,000	4,604,000
Oats, visible supply, Sept. 4, 1915, bus.....	5,796,000	21,455,000
CORN CROP, U. S., bus.....	2,985,000,000	2,918,000,000
Corn, visible supply, Sept. 4, 1915, bus.....	1,859,000	5,008,000
Corn receipts, primary markets, July 1, 1915, to Sept. 4, 1915, bus.....	31,553,000	38,404,000
Argentine corn exports, April 1, 1915, to Sept. 4, 1915, bus.....	75,653,000	60,530,000
U. S. corn exports, July 1, 1915, to Sept. 4, 1915, bus.....	3,300,000	844,000
RYE EXPORTS, U. S., July 1, 1915, to Sept. 4, 1915, bus.....	519,000	468,000
BARLEY EXPORTS, U. S., July 1, 1915, to Sept. 4, 1915, bus.....	1,344,000	1,878,000
CHICAGO BOARD OF TRADE CLEARINGS, August, 1915....	\$8,357,663	\$12,944,428

Oats Trade Position Presented to Buro of Chemistry at Washington.

Following the conference of the Middle West Oats Dealers as reported in the Journal Aug. 10, pages 186-187, it was decided that a delegation should visit the Buro of Chemistry at Washington, and on Aug. 25 the delegation, composed of A. E. Reynolds, of Crawfordsville, Ind., chairman of the Legislative Com'te of the Grain Dealers National Ass'n; James W. Sale, of Bluffton, Ind., a member of the Com'te; Lee G. Metcalf, of Illiopolis, Ill., pres. of the Ass'n; Charles Quinn, sec'y; J. C. F. Merrill, sec'y of the Chicago Board of Trade; Alfred D. Brandeis, of Louisville, Ky., and Harry Halliday, of Cairo, Ill., in the absence from Washington of Sec'y of Agriculture Houston and C. L. Alsberg, chief of the Buro of Chemistry, were received by the assistant chief, Dr. Emerson, Assistant Jones and Solicitor Henderson.

Mr. Reynolds opened with a 5-minute talk, pointing out that the poor quality of the oats this year makes it necessary to bleach the grain, that the moisture content of the oats crop is so far above normal that it is unsafe to ship and that an emergency confronted the trade.

Mr. Merrill exhibited samples of 50 carloads of oats which had been bleached, giving for each sample the moisture test before and after sulfuring as reported by both the Board of Trade and Chicago branch of the United States Office of Grain Standardization, to show the present natural condition of the oat and improvement made by clipping and bleaching. He said that to put this discolored crop upon the market unbleached would result in the loss of millions of dollars to farmers by ruining the market for the bulk of their oats crop. This loss would be shared also by the consumer because the quantity of oats of usable quality was small.

Mr. Merrill called the attention of the solicitor to the legal phase of the subject, presenting information that was new to Mr. Henderson. He referred to the decision of the court in the Hall-Baker case, in which the final decision was that the shipper of grain is protected by the official inspection certificate, and can not be held responsible.

Mr. Merrill informed the Department that four great states in the central west had official state grain inspection departments and that the rules of these state departments provided that grain designated as "oats" may contain as much as 5 per cent of barley and still be lawfully sold as oats without stating that barley was contained. As the Hall-Baker decision of the United States Court had indorsed the state rules Solicitor Henderson admitted that Mr. Merrill had given him food for thought. Mr. Merrill was so well fortified with facts that the Department officials were convinced that the grain men had substantial grounds for their requests, which were:

That the Department suspend its activities relative to oats until Jan. 1.

That a Department ruling be made so that the placing of a descriptive formula upon carriers' documents and invoices and on cars shipped by rail would satisfy the requirements of the Food and Drugs Act. It was suggested that this formula should state that the grain was "Sulfur dioxide bleached. Moisture content per cent."

That a ruling be made on the maximum permissible percentage of admixture of other grains with oats without declaring it on documents.

The Department officials expressed regret at being unable to suspend its activities. The formula for labeling "Sulfur dioxide bleached. Moisture content per cent" was approved, with the exception that no labeling would remove the consequences of adulteration by water. The officials declined to make a ruling on mixture of other grains with oats, and could not be more specific than to say "A material mixture."

The officials requested the grain men to file a written brief covering the points discussed and asked whether the trade would favor a meeting of all interested later in the year to be called by the Department for a full consideration of all questions raised by the application of the Food and Drugs Act to the products of the soil. The com'te of grain men stated that such a meeting would be desirable.

The officials stated that the Department would not seize and had not in the past seized grain unless it was in possession of indisputable evidence that moisture had been added to that particular lot. Furthermore the small amount of moisture sometimes added in the sulfur bleaching process was not considered by the Department to be an adulteration. It had never made seizures based on the addition of minor amounts of moisture.

Practically, therefore, the handling of oats can be continued as before, the Department seizing the oats only in those very few cases where the addition of moisture and other grains has been excessive or fraudulent.

THE WIRELESS STATIONS at Tuckerton, N. J., and Sayville, L. I., are being used in the transmission of commercial messages. All messages must be written in plain language. Shippers to Scandinavian countries report the service prompt, as the delay in the British censorship is avoided.

OATS have reached very low levels. Free movement to primary markets the cause. Farmers are dissatisfied with prices, which they say are below cost of production, and will store their oats. Cash interests are heavily long futures and short cash oats. They want the oats, there are no contract oats here and none likely. Northwest crop a fine one in quality, but oatmeal industry buying it up at fancy premiums. Only chance in September shorts is that 3 whites will be forced to greater than a 5c discount under September, when 3 whites will be delivered on these contracts. We simply favor purchases of December and May, and on the latter believe one should buy on a scale down.—W. H. Perrine & Co.

AUSTRALIA'S huge wheat handling scheme would cost the country \$11,000,000 according to the latest estimates. This would include the building of large elevators in all wheat growing districts, terminal elevators at Newcastle and Sydney, and the converting of railway cars so that grain could be carried in bulk for transfer to vessels for export. It is believed that the entire cost to the grower, from the time the wheat is placed in the country elevator until it is unloaded into the hold of a vessel, would be less under the new scheme than the present expense of bags. The railway com'sners and representatives of the Dep't of Agriculture have arranged for a conference to decide on sites for the terminal elevators.

I don't know how he is on creeds,
I never heard him say;
But he's got a smile that fits his face,
And he wears it every day.
He sees the good in every one,
Their faults he never mentions;
He has a lot of confidence
In people's good intentions.

Asked— Answered

[Readers who fail to find information desired on any subject of interest to grain dealers should send us their query for free publication here. The experience of your brother dealers is worth consulting. Replies to queries are solicited.]

Does Corn Cause Pellagra?

Grain Dealers Journal: Several years ago a commission was appointed to determine whether or not corn was the cause of the disease known as pellagra. I have not seen any reference to the report of such a commission. If one has been made, I would be pleased to know whether or not corn was given a clean bill of health, or is it still under suspicion of causing the dread disease? Any light on this subject will be greatly appreciated by a corn grinder.—C. G. M.

What Makes a Sale?

Grain Dealers Journal: Has there been any ruling as to the price to be paid for grain hauled to the elevator by a farmer when no price was set, except that the farmer was told the price that was being paid that day and the farmer did not say whether or not he would take it?

The farmer came in 8 or 10 days later when the market was 4½ cents lower and wanted the price the grain was bringing the day it was delivered. Another elevator man has had trouble of the same kind. We would like to learn the opinion of other dealers in the columns of the Journal.—Farmers Elevator Co., Fort Dodge, Ia.

Ans.: The farmer is bound by the custom at that elevator. Unless the farmer definitely stated that the price of the day was acceptable there was no sale at that price. When the grain dealer asks the farmer if he wishes to sell at the price of the day or at a later time he certainly is entitled to a reply; and the farmer who leaves the question open by vague remarks is either a fool or a knave attempting to defraud the dealer by claiming a sale at the higher price.

A SILVER DOLLAR made of 250,000 kernels of corn and 4 ft. in diameter is part of the Iowa exhibit at the San Francisco Exposition.

UNITED STATES Civil Service Commission announces an examination for field assistant in marketing investigations, for men only. From the register of eligibles resulting from this examination certification will be made to fill a vacancy in this position in the Office of Markets and Rural Organization, Dep't of Agriculture, for service in the field, at a salary ranging from \$1,800 to \$2,400 a year. Applications should be properly executed on Form 2118, excluding the medical certificate, and must be filed with the Commission at Washington, with the material required, prior to the hour of closing business on Oct. 5, 1915.

Grain Movement

Reports on the movement of grain from farm to country elevator and shipments from interior points are always welcome.

CANADA.

Toronto, Ont., Aug. 13.—First fall wheat arrived today from Agincourt; weighed 62 lbs. and sold for \$1.10.

Dalmead, Alta., Aug. 25.—Harvest just starting; will be general next week.—Ray S. Drake, Pioneer Grain Co., Ltd.

Port Arthur, Ont., Aug. 17.—First car new wheat arrived here today which is 2 weeks earlier than usual; consigned to the Ogilvie Flour Mfg. Co.; graded No. 1 northern.

Ottawa, Ont., Aug. 16.—With the rainfall of July over $\frac{1}{2}$ more than the average, and the first week or two of August also unusually wet, the midsummer of 1915 will go on record as one of the most trying harvest seasons yet experienced in this province. In the cutting of some of the grains, especially oats, the binders sometimes became more or less mired owing to the soggy nature of the fields. The flattening down of so much grain by rain and wind storms also made cutting difficult. Harvesting spread from July 20 to Aug. 15. Early threshing has been much less than usual owing to delayed harvest. Cutting of spring wheat began in the last week of July, but some yet uncut; oats harvesting has been going on since Aug. 1 and will continue well into the third week; cutting was extremely difficult on the soft land until the 12th of the month, and the unusually wet condition of some fields has caused trouble all along; barley harvesting started in last week of July and was still in progress at the end of the second week of August.—Ontario Dept. of Agriculture.

ILLINOIS.

Buckley, Ill., Sept. 3.—Threshing about $\frac{3}{4}$ done.—B. E. Morgan.

Minier, Ill., Sept. 6.—Shock threshing almost finished in northern Illinois.—Wm. T. Elliff.

Manito, Ill., Aug. 27.—Much wheat to thresh yet, especially on high land; oats threshing just beginning.—A. R. Harbaugh, agt. Smith-Hippen Co.

Illinois, Aug. 27.—Reports received from 315 grain stations in district lying north of the St. Louis division of the Big Four R. R. with Jersey, Montgomery, Shelby, Coles, Edgar and Macoupin counties as a southern boundary show that 74.58% of wheat acreage has been threshed; rains have interfered somewhat; oats 84.12% harvested; only 27.9% threshed.—E. B. Hitchcock, sec'y Illinois G. D. A.

IOWA.

State Center, Ia., Aug. 26.—Oats threshing about over.—Geo. E. Mead, agt. Quaker Oats Co.

Northwood, Ia., Sept. 3.—Will not ship any new corn account frost damage.—O. J. Thompson.

Rockford, Ia., Sept. 2.—Do not expect to ship any new corn.—F. M. Smith, mgr. Farmers Elvtr. Co.

Ira, Ia., Aug. 26.—Threshing now in full blast; farmers binning most of small grain; about $\frac{1}{2}$ corn in farmers hands.—E. C. Vannote, agt. S. E. Squires Grain Co.

Greene, Ia., Sept. 2.—Do not expect to ship any corn, frost has killed it; will have feeding but no merchantable corn; ordinarily this station ships 300,000 bus.—J. P. Ritter, mgr. Farmers Incorporated Co-operative Society.

KANSAS.

Brookville, Kan., Aug. 27.—Very little wheat threshed so far.—W. F. Hinerman.

Seward, Kan., Aug. 21.—Little threshing done.—William Hayes, mgr. Larabee Elvtr. Co.

Topeka, Kan., Aug. 30.—Continued wet weather has rendered the harvesting of much wheat impossible; little threshing has been done.—J. C. Mohler, sec'y State Board of Agriculture.

MICHIGAN.

Detroit, Mich., Aug. 28.—First car new oats arrived here today; graded standard, tested 38 lbs., received by J. F. Simmons & Co.; sold at 44c.

MINNESOTA.

Duluth, Minn., Aug. 21.—First car new wheat arrived today from Big Sandy, Mont.; consigned to Randall, Gee & Mitchell; graded No. 2.

MISSOURI.

Mexico, Mo., Sept. 1.—Grain movement not heavy account delayed threshing, poor quality and prices below expectation of producers.—J. A. Gunnell, sec'y Missouri G. D. A.

MONTANA.

Forsyth, Mont., Aug. 15.—Grain all harvested; threshing now.—Ladd & Nelson.

Winifred, Mont., Aug. 21.—Big crop has been harvested in northern part of Judith Basin; threshing will be delayed a few days account heavy showers.—W. A. Cragin.

Lewistown, Mont., Aug. 28.—Threshing started in some localities of Montana but will not be general over state until next week; farmers inclined to store wheat in anticipation of high prices during the winter; weather ideal for harvest.—P. F. Brown, resident mgr. Quinn-Shepherdson Co.

NEBRASKA.

Guide Rock, Neb., Sept. 3.—Grain movement slow.—L. E. Thunhorst, mgr. Farmers Union Co-operative Co.

Sweetwater, Neb., Aug. 27.—Threshing greatly handicapped by extreme wet weather.—Highland & Son.

Powell, Neb., Aug. 31.—No wheat threshed to date; latest in years.—C. W. Samms, mgr. Nelson Bros. Grain Co.

Bruning, Neb., Aug. 21.—Will have to wait for stack threshing before we can ship new wheat.—E. F. Carter, prop. Bruning Mill & Elvtr.

NORTH DAKOTA.

Dresden, N. D., Aug. 27.—Some barley threshed.—L. Lindgren, agt. Cargill Elvtr. Co.

Buchanan, N. D., Aug. 27.—Threshing started this week in full sway.—S. F. Northrup, formerly agt. North Star Grain Co.

Shields, N. D., Aug. 23.—Weather unfavorable for harvesting; too much rain and fog; harvest delayed for week or more; just started.—Christ Neuman, agt. Empire Elvtr. Co.

OHIO.

Lewistown, O., Aug. 20.—Oats threshing late account wet weather.—C. E. Emery.

Columbus, O., Aug. 28.—Dealers are acting conservatively by refusing to buy the grain not fit for shipment altho farmers have not been negligent but have done the best they could under the circumstances and conditions.—J. M. McCord, sec'y Ohio G. D. A.

Corn Movement in August.

Receipts and shipments of corn at the various markets during August, 1915, compared with August, 1914, were in bus., as follows:

	Receipts		Shipments	
	1915.	1914.	1915.	1914.
Chicago	6,213,000	9,925,000	4,710,000	6,132,000
Omaha	1,732,800	1,942,800	1,499,300	2,146,100
Peoria	1,173,700	1,446,900	830,535	962,735
New York	1,010,035	.....	126,055	.....
Indianapolis	1,008,000	1,162,000	384,000	133,000
St. Louis	944,400	1,559,800	527,060	1,018,790
Milwaukee	781,450	2,082,075	455,198	1,100,536
Minneapolis	372,640	581,080	280,240	408,360
Louisville	293,015	515,940	87,425	274,295
Toledo	255,800	243,600	62,200	62,300
Kansas City	845,000	961,250	617,500	577,500
Detroit	207,000	206,000	118,000	80,000
Baltimore	171,224	247,861	42,491	6,300
San Francisco, tons	508	6986	.....	.....
New Orleans	.....	.....	375,810	216,600

OKLAHOMA.

Fort Cobb, Okla., Aug. 20.—Not much wheat marketed here.—Roy Frymire, agt. Chickasha Mfg. Co.

Rye Movement in August.

Receipts and shipments of rye at the various markets during August, 1915, compared with August, 1914, were in bus., as follows:

	Receipts		Shipments	
	1915.	1914.	1915.	1914.
Chicago	440,000	285,000	211,000	58,000
Minneapolis	269,800	740,440	69,080	296,240
Duluth	204,188	195,282	142,543	212,460
Milwaukee	115,640	181,600	14,160	75,037
Baltimore	96,193	55,192	54,960	.....
St. Louis	70,420	91,500	24,290	53,470
Omaha	53,900	48,400	32,000	34,000
Peoria	52,600	22,800	18,200	29,800
Indianapolis	52,000	3,000	6,000	.....
Detroit	38,000	40,300	7,000	8,000
Toledo	24,000	9,000	9,600	12,600
Kansas City	18,700	24,200	5,500	12,100
New York	12,500	.....	.....	.....
Louisville	8,520	47,000	1,325	11,490

Wheat Movement in August.

Receipts and shipments of wheat at the various markets during August, 1915, compared with August, 1914, were in bus., as follows:

	Receipts		Shipments	
	1915.	1914.	1915.	1914.
Chicago	12,505,000	17,721,000	11,454,000	16,295,000
Kansas C.	5,784,750	13,080,150	4,060,800	8,414,550
Min'apolis	5,565,260	8,892,210	1,612,090	2,903,100
St. Louis	3,827,483	4,243,857	2,892,950	3,218,050
New York	3,818,040	.....	2,643,277	.....
Baltimore	3,187,467	2,770,153	2,670,796	2,805,605
Ind'apolis	1,151,000	160,000	481,000	57,000
Winnipeg	1,117,125	3,368,350	.....	.....
Omaha	1,105,200	1,978,800	642,400	1,798,800
Louisville	856,360	891,835	1,000	1,100
Peoria	769,125	286,000	899,900	466,000
Toledo	709,000	775,000	474,900	104,300
Duluth	458,888	2,136,993	269,588	1,737,400
Detroit	271,000	431,000	87,000	273,000
Milwaukee	143,750	1,558,200	31,442	701,572
San Francisco, tons	12,299	15,642	.....	.....
Galveston	.....	.....	2,070,028	5,842,475
New Orleans	.....	.....	1,095,460	2,958,735

Barley Movement in August.

Receipts and shipments of barley at the various markets during August, 1915, compared with August, 1914, were in bus., as follows:

	Receipts		Shipments	
	1915.	1914.	1915.	1914.
Minneapolis	1,373,460	2,299,780	979,540	1,355,500
Chicago	729,000	851,000	255,000	346,000
Duluth	578,227	604,744	424,739	129,791
New York	545,700	.....	145,993	.....
Milwaukee	464,340	763,140	112,310	187,927
Kansas City	102,400	5,600	70,800	5,600
Winnipeg	97,500	128,250	.....	.....
Peoria	92,200	139,600	43,390	90,945
San Francisco, tons	42,137	57,605	.....	.....
Omaha	37,800	4,200	6,000	.....
St. Louis	24,000	57,750	4,630	11,060
Toledo	2,000	3,000	.....	.....
Louisville	1,100	500	.....	.....
Detroit	.....	2,000	.....	.....
Baltimore	655	1,978	.....	.....

Oats Movement in August.

Receipts and shipments of oats at the various markets during August, 1915, compared with August, 1914, were in bus., as follows:

	Receipts		Shipments	
	1915.	1914.	1915.	1914.
New York	2,620,072	.....	762,604	.....
Ind'apolis	2,256,000	1,391,000	327,000	552,000
Milwaukee	2,193,300	3,893,100	920,722	2,137,662
Peoria	1,997,800	2,335,000	1,431,100	1,665,600
St. Louis	1,817,300	2,437,850	767,700	2,310,860
Chicago	16,749,000	23,729,000	9,281,000	12,229,000
Min'apolis	1,360,320	2,479,200	1,048,580	877,040
Omaha	805,800	1,864,900	490,500	1,215,000
Toledo	678,400	1,347,200	297,800	483,200
Detroit	491,000	788,000	55,000	116,000
Louisville	448,040	746,515	169,565	415,060
Kansas C.	419,900	992,800	147,000	463,500
Winnipeg	419,900	477,750	.....	.....
Duluth	181,046	113,828	200,396	92,029
Baltimore	180,137	809,256	.....	8,083
San Francisco, tons	4,388	2,289	.....	.....
New Orleans	.....	.....	62,980	16,520

Exports of Grain Heavy.

A LARGE CONSIGNMENT of rye is to be exported from Peoria, Ill., to Germany by the S. C. Bartlett Grain Co.

THE GREEK STEAMER CRIOS cleared at Philadelphia recently with 238,762 bus. of wheat for the relief of Belgian war sufferers.

BRITISH STEAMSHIP East Wales, has cleared at Philadelphia, Pa., with a cargo of 160,000 bus. of wheat for Bordeaux, France.

BALTIMORE has chartered 15 full cargo steamers for wheat for September loading, the capacity aggregating 2,400,000 bushels.

THE BRITISH STEAMER Highbury has cleared at Portland, Ore., for Melbourne with 270,548 bushels of wheat, one of the largest cargoes ever exported from that port.

THE FLEET of steamers being used in the export grain trade by the Osaka Shosen Kaisha, operating between Puget Sound and the Orient is to be increased by the addition of 19 new vessels.

TEN STEAMERS are waiting at the Port of Baltimore to take full cargoes of grain abroad. Some of the ships in the absence of cargo are incurring demurrage. In addition 60 vessels are now bound for Baltimore to take cargoes principally of grain.

PHILADELPHIA EXPORTED 435,999 bushels of grain for the week ending Aug. 25. Most of the grain was for the United Kingdom, and was transported in the following vessels: Sellasia, Genoa, Christiana, Missouri and the Dominion. Four additional vessels, which will carry a total of 920,000 bushels, are now loading for the United Kingdom.

THE FLEET of vessels at Seattle, Wash., under charter to carry grain shows no loss in tonnage compared with last year. This season's fleet numbers 46 vessels, with tonnage of 101,677. Two vessels will load for Australia, one for South Africa and the others for the United Kingdom. Rates last year ran from 28s to 30s, while the lowest this year is 67s. A number will receive 90s or better to the United Kingdom and 100s for France. Several ships have arrived on the Sound or the Columbia river to begin loading, including the Japanese steamship Asama Maru, and the British steamship Calulu, which will load wheat for Australia.—D.

ROUMANIA has abolished its prohibition of cereal exports. Duties in the future are payable in gold.

WE ARE well satisfied with the Grain Dealers Journal, receiving from it a lot of good information.—A. Phillips, Phillips & Darling, Flushing, Mich.

GOVERNMENT OF CANADA has purchased 1,000,000 bushels of wheat for New Zealand. This grain is all in storage at Montreal at the present time and instructions are awaited from the New Zealand Government as to its transportation.

MONTANA State Grain Inspector J. E. Templeton, Red Lodge, for the present will inspect grain warehouses and elevators under the new act compelling the inspection of safety devices. No new inspectors will be appointed for this work.

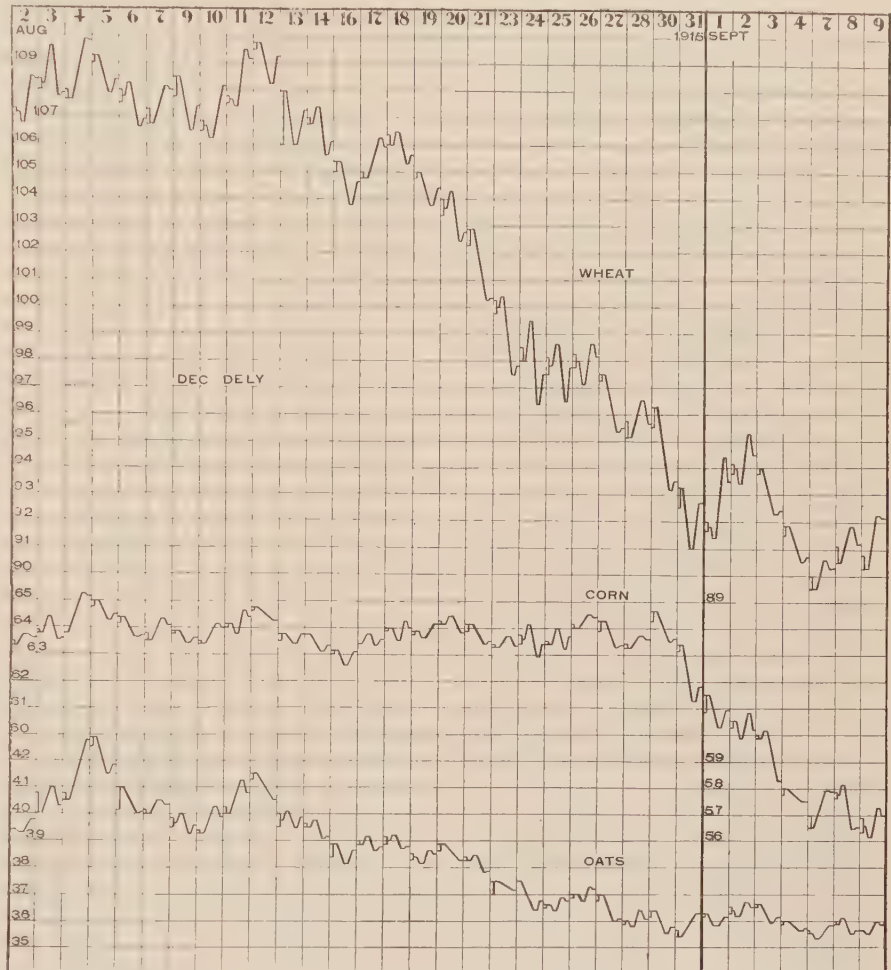
NEW ZEALAND's wheat yield for 1914-15 will be 5,486,070 bus.; oats, 11,436,300 bus., and barley, 599,755 bus. This is an average production per acre for wheat of 28.94 bus.; oats, 39.77 bus., and barley, 32.53 bus.—Consul Gen'l A. A. Winslow, Auckland.

Exports of Grain Weekly.

	Wheat.	Oats.
1915.	1914.	1915.
July 4, '14 to July 8, '15	314,473,000	192,348,000
July 10	1,890,000	5,758,000
July 17	2,049,000	5,087,000
July 24	1,548,000	7,711,000
July 31	3,809,000	8,196,000
Aug. 7	1,971,000	4,347,000
Aug. 14	3,841,000	3,425,000
Aug. 21	3,100,000	9,286,000
Aug. 28	4,302,000	8,643,000
Sept. 4	5,317,000	9,019,000
Total	27,827,000	61,472,000

Chicago Futures

Opening, high, low and closing quotations on wheat, corn and oats for the December delivery at Chicago for the month of August and part of September are given on the chart herewith.



NEW BARLEY tested at Chicago runs from 2 to 4 per cent higher in moisture than last year.

I COULD NOT do without the Grain Dealers Journal.—Geo. E. Mead, agt. Quaker Oats Co., State Center, Ia.

I DO NOT like to miss a single copy of the Grain Dealers Journal.—Neil Littlejohn, agt. Cargill Elvtr. Co., Sherwood, N. D.

WE APPRECIATE the Grain Dealers Journal very much as it gives us a great deal of good information and think every grain dealer should have it.—Farmers Grain & Coal Co., Jamaica, Ia.

THE ADVERTISEMENT inserted in the Grain Dealers Journal of July 25 sold my reclaimer before the end of the month. The Journal is SOME advertising medium.—John Franklin, Beaver City, Neb.

Daily Closing Prices.

The closing prices for wheat and corn for December delivery at the following markets for the past two weeks have been as follows:

DECEMBER WHEAT.											
	Aug. 25.	Aug. 26.	Aug. 27.	Aug. 28.	Aug. 30.	Aug. 31.	Sep. 1.	Sep. 2.	Sep. 3.	Sep. 4.	Sep. 7.
Chicago	97 3/4	98 1/4	95 1/4	95 3/4	93 1/2	92 1/2	93 3/4	92 3/4	90 3/4	89 1/4	88 1/2
Minneapolis ..	95 1/4	95 1/2	93 3/4	94 1/4	93 3/4	91 1/2	92 3/4	93 1/4	91 1/4	89 3/4	89 1/2
*Duluth	97 3/4	98 1/2	96 1/4	97 3/4	94 3/4	92 1/2	94 1/4	95 3/4	93 1/4	91 1/4	89 3/4
St. Louis	97 3/4	98 3/4	96	96 3/4	93 3/4	90 1/2	91 1/2	90 1/4	88 3/4	86 3/4	85 3/4
Kansas City ..	94 3/4	95 3/4	92 3/4	92 3/4	90 1/2	89 1/2	90 1/4	91 3/4	89 3/4	86 3/4	85 3/4
Milwaukee	97 3/4	98 3/4	95 3/4	95 3/4	93 3/4	92 3/4	93 3/4	94 3/4	92 3/4	90 3/4	89 3/4
Toledo	108 1/2	108	106 3/4	107	105 1/2	103 3/4	104 1/2	105 1/2	104 1/2	102 1/4	100 3/4
**Baltimore ..	105 3/4	106	102 1/2	102 3/4	102 3/4	101 1/2	103	104	102 1/4	101 3/4	100 3/4
Winnipeg	93 3/4	93 3/4	90 3/4	90 3/4	88	87 3/4	88 3/4	89 1/2	86 3/4	85 3/4	84
DECEMBER CORN.											
	Aug. 25.	Aug. 26.	Aug. 27.	Aug. 28.	Aug. 30.	Aug. 31.	Sep. 1.	Sep. 2.	Sep. 3.	Sep. 4.	Sep. 7.
Chicago	63 3/4	64 3/4	63 1/4	63 1/2	63 1/2	61 3/4	60 3/4	60 1/4	58 1/4	57 1/2	56 1/2
Kansas City ..	59 3/4	60 1/4	59 1/4	59 1/4	58 3/4	57 3/4	56 3/4	55 3/4	54 3/4	53 3/4	52 3/4
St. Louis	60 1/4	61 3/4	60 3/4	60 3/4	60 1/2	59	58	57 3/4	55 3/4	54 3/4	53 3/4

*September delivery. **September delivery to Aug. 31, then October.

Crop Reports

Reports on the acreage, condition and yield of grain and field seeds, as well as on the movement to country markets, are always welcome.

ARKANSAS.

Berryville, Ark., Aug. 26.—Wheat worst in 10 years in this part of country.—Berryville Mfg. Co.

CANADA.

Winnipeg, Man., Sept. 8.—The estimated yield of wheat in Manitoba, Saskatchewan and Alberta is 20 bus.; total yield 250,800,000 bus.; oats 45.4 bus.; total yield 300,593,400 bus.; barley 34 bus.; total yield 39,202,000 bus., and flaxseed 9.3 bus.; total yield 4,836,000 bus.—Frank O. Fowler, sec'y Northwest G. D. A.

Dalmead, Alta., Aug. 25.—Will have one of largest grain crops in this part of Canada ever raised; oats very tall and rank; down badly in some places which will make cutting hard but they will all be saved if we have no more rain or wind; some wheat will make as high as 50 bus.; some oats will make 100 bus.—Ray S. Drake, Pioneer Grain Co., Ltd.

IDAHO.

Cottonwood, Ida., Aug. 31.—Crops here are very good.—G. S. Downer, mgr., Farmers Union Warehouse Co., Ltd.

ILLINOIS.

Rochelle, Ill., Aug. 30.—Oats making 65 bus.; quality fair.—P. R. Diederich.

Buckley, Ill., Sept. 3.—Oats badly stained; yielding about 65 bus.—B. E. Morgan.

Speer, Ill., Aug. 25.—Oats, averaging 65 bus.; badly damaged by rain.—Speers & Root.

Varna, Ill., Sept. 3.—Corn will yield about the same as last year tho 10 days late.—N.

Carmi, Ill., Sept. 8.—Our wheat is only about a fourth of a crop, and quality very poor.—W. C. Smith.

Morrison, Ill., Aug. 31.—Corn is good but a month late. Oats will average 45 bus. per acre.—Renkes Bros.

Sterling, Ill., Aug. 25.—Farmers are all worried about the corn crop. Frost must stay away until Oct. 15.—S.

Broadmoor sta. (Bradford p. o.), Ill., Aug. 25.—Oats will make 50 bus.; grade No. 4; corn fine.—Rees & Powers.

Normandy, Ill., Aug. 25.—Oats averaging 50 bus.; quality No. 4; corn fine but late.—Roy Norman, agt. B. M. Stoddard.

Mattoon, Ill., Sept. 3.—Have largest oats yield for past 8 years; wheat over average crop but damaged some by rains.—C. Morris.

Flagg, Ill., Aug. 30.—Oats making 70 bus.; quality fair; some test 37 lbs.; have had 3 frosts; no perceptible damage to corn.—Carolus & Grimes.

Morse sta. (Buda p. o.), Ill., Aug. 25.—Oats averaging 75 bus.; all grading No. 4 account rain damage; corn 2 weeks late; looking fine.—O'Brien & Lambert.

Camp Grove, Ill., Aug. 25.—Oats averaging 65 bus.; badly damaged account rain; will all grade No. 4.—F. B. Murphy, mgr. Camp Grove Farmers Elvtr. Co.

Manlius, Ill., Aug. 25.—Oats averaging 60 bus.; quality fair; mostly grading No. 3; corn 3 weeks late; looking fine.—H. R. Smith, mgr. Manlius Grain & Coal Co.

Galt, Ill., Aug. 26.—Oats averaging 50 bus.; quality stained account rain; corn 3 weeks late; need late fall; wheat averaged 25 to 30 bus.; most of it graded No. 3.—S.

Manito, Ill., Aug. 27.—Wheat yield good; from 25 to 45 bus.; one piece made 51 2/3 bus.; oats yield big; quality not best; little plowing done; farmers pessimistic regarding crop to be sown; corn looking fine but needs warm weather to hasten ripening.—A. R. Harbaugh, agt. Smith-Hippen Co.

Illinois, Aug. 27.—Reports received from 315 grain stations in district lying north of the St. Louis division of the Big Four R. R. with Jersey, Montgomery, Coles, Shelby, Edgar and Macoupin counties as a southern boundary show wheat yield 26.95 bus. for northern 2/3 of state which is slightly more than last month's estimate of 25.50 bus.; feel that government estimate on Aug. 1 of 56,100,000 bus. was low enuf. Quality reported good and No. 2 by 18 dealers; fair and No. 3 by 68; damaged by 11 and sample and No. 4 by 47 dealers. Oats damaged by rains; total yield will be enormous; far in advance of last month's prediction; yield 53.39 bus. against 41.81 bus. which was last month's estimate; will have record crop in spite of everything. Heavy rains and wind storms about Aug. 20 did much damage to corn especially thru central Illinois; much was laid low but with warm, dry weather a large proportion will right itself, and if frost holds off the crop will be immense; condition compared with normal, will be about 91%, even in spite of the untoward weather conditions. The comparison of this year with last shows the corn prospect to be 30% better at this time.—E. B. Hitchcock, sec'y Illinois G. D. A.

INDIANA.

New Market, Ind., Sept. 3.—Oats crop is a bumper, but poor in quality.—Newton Busenbark.

Des Moines, Ia., Sept. 6.—Weather conditions best possible for maturing the corn crop, threshing and finishing haying; frost on Aug. 30 and 31 seriously injured corn on low ground, probably 10% was badly damaged. Corn condition, 66%. With favorable weather 24% of corn will be safe from frost Sept. 20. 47% on Sept. 30 and 75% on Oct. 15. Preliminary reports indicate average yield of winter wheat to be 23 bus.; spring wheat, 18; oats, 42; barley, 33, and rye, 19.—Weather Bureau, U. S. Dept. of Agriculture.

IOWA.

Greene, Ia., Sept. 2.—Oats averaged 45 bus.; quality fine.—Greene Grain Co.

Northwood, Ia., Sept. 3.—Oats averaging 45 bus.; quality fine.—O. J. Thompson.

Greene, Ia., Sept. 2.—Frost has killed corn.—J. P. Ritter, mgr. Farmers Incorporated Co-operative Society.

Marble Rock, Ia., Sept. 2.—Half of corn has been killed by frost; oats averaged 40 bus.; quality fine.—A. J. Ackley, mgr.

State Center, Ia., Aug. 26.—Oats making 45 bus.; weather too cool for corn which is 2 weeks late.—Geo. F. Mead, agt. Quaker Oats Co.

Ira, Ia., Aug. 26.—Wheat making about 22 bus.; oats 40 bus.; corn looks fairly good considering lateness.—E. C. Vannote, agt. S. E. Squires Grain Co.

Rockford, Ia., Sept. 2.—Oats averaging 45 bus.; quality fine; corn had prospect for 1/4 crop, half of this has been hurt by frost.—F. M. Smith, mgr. Farmers Elvtr. Co.

Shell Rock, Ia., Sept. 1.—Oats made 45 bus.; quality stained; corn under best conditions will not make over 1/2 crop; frost has done considerable damage.—Bement-Witt Lumber Co.

Clarksville, Ia., Sept. 2.—Oats averaged 40 bus.; quality good; have had frosts in spots, some damage; if have no more frost before crop matures will have 1/2 corn crop.—Voss & Christensen.

Oelwein, Ia., Sept. 6.—Much frost damage to corn in Fayette, Buchanan and Black Hawk counties; not only late corn suffered but some fields fairly well advanced were badly damaged; in northeastern Iowa corn will not exceed half crop; much will be poor quality; oats good; off in color, otherwise quality good.—Wm. T. Elliff, Minier, Ill.

KANSAS.

Seward, Kan., Aug. 21.—New wheat very tough; quality poor; making about half of what farmers expected; corn somewhat late; will make heavy crop if frost does not come too early; raining every other day.—William Hayes, mgr. Larabee Elvtr. Co.

Brookville, Kan., Aug. 27.—Bulk of wheat will be low grade; having lots of rain; too wet for plowing on most of bottom land.—W. F. Hinerman.

Grainfield, Kan., Aug. 27.—Crop conditions very discouraging; 10% loss in harvest account shattered grain; 10% uncut; 15 to 20% loss by sprouting in shock and stack; corn first class; acreage small.—F. O. Hanson.

Topeka, Kan., Aug. 30.—The preliminary estimate of reporters indicates a crop of winter wheat in Kansas this year of 98,690,000 bus. which is a decrease of more than 17 million bus. from the July estimate. Threshing returns in many localities are not holding up to expectations, suggesting that the waste of grain has been large, especially where wheat was in the shock. Nearly 20% of the 9,449,000 acres sown to winter wheat in Kansas last fall was a dead loss, including the uncut wheat abandoned, leaving 7,588,000 acres that were harvested, with a probable average yield per acre of slightly more than 13 bus. Approximately 4,500,000 acres were planted to corn this year, and based on the outlook Aug. 25, correspondents estimate a prospective yield of 149,482,000 bus., or practically 33 bus. to the acre. Should this acre-yield be realized it will be the largest since 1889, when the average was slightly more than 40 bus. Although the total acreage planted this year is the smallest since 1882, the present prospect indicates a crop fully up to the annual average of the past 20 years. The yield last year was 87,338,272 bus.; in 1913, 18,420,000 bus., and in 1912, 156,500,000 bus. The promise for corn throughout the state is uniformly good. Oats threshing returns, altho meagre, suggest that the state's oats yield will approximate 35 million bus., or an average yield per acre of 24.8 bus., as against the prospective yield of 39 million bus. in July, and an average acre-yield of 27.8 bus.—J. C. Mohler, sec'y State Board of Agriculture.

MICHIGAN.

Lansing, Mich., Sept. 7.—Estimated yield wheat is 19.50 bus.; quality 86%; oats yield 37.99 bus.; quality 89%; rye yield 14.80 bus.; corn condition 70%, compared with 89% a year ago; probable beans yield 69, compared with 80 a year ago and average yield peas 18.85; reports state excessive moisture damaging wheat, oats, corn, rye, and beans; heavy frost Aug. 27 hurt corn, beans, buckwheat and late peas in 27 counties in lower peninsula.—Dept. of State.

MINNESOTA.

Albert Lea, Minn., Sept. 3.—About 1/2 of corn damaged by frost; oats making 45 bus.; fair quality.—Speltz Grain & Coal Co.

Vesta, Minn., Aug. 31.—Oats, wheat and barley are very good, but corn is a little late. Needs four weeks of good weather.—Bingham Bros.

Ada, Minn., Sept. 6.—Crops good; wheat making 20 to 35 bus.; barley 35 to 60 bus.; oats 35 to 75 bus.—John A. Munson, agt. St. Anthony & Dakota Elvtr. Co.

Glenville, Minn., Sept. 3.—Oats making 50 bus.; fair quality; about 1/2 of corn frost damaged, balance of corn with 30 to 40 days warm weather will make fair crop.—E. P. Howe, agt. Speltz Grain & Coal Co.

MISSOURI.

Mayview, Mo., Aug. 25.—Wheat about 20%; very light; corn looks good on high land; oat crop unimportant; weather too cool for corn.—Hugo A. Brueggjenjohann, local mgr. Eagle Mill & Elvtr. Co.

Mexico, Mo., Sept. 1.—Wheat and oats damaged over 25% by excessive rains during July and August; quality of some poor; weather too cold for corn to make proper growth; if no frost before corn is matured it will exceed last year's crop but will be below normal.—J. A. Gunnell, sec'y Missouri G. D. A.

MONTANA.

Lewistown, Mont., Aug. 28.—Wheat yields reported have been very gratifying; quality good; considerable fall wheat already in ground for next season.—P. F. Brown, resident mgr. Quinn-Shepherdson Co.

Forsyth, Mont., Aug. 15.—Winter and spring wheat averaging 25 to 30 bus.; not up to expectations.—Ladd & Nelson.

Great Falls, Mont., Aug. 16.—Crop maturing later than usual; now ripening rapidly.—H. N. Stockett, sec'y Northwestern G. D. A.

Winifred, Mont., Aug. 21.—Wheat making 25 to 40 bus.; oats heavy; considerable rain during July and August; farmers enthusiastic over big harvest.—W. A. Cragin.

NEBRASKA.

Sweetwater, Neb., Aug. 27.—Fine prospect for corn but will be late.—Highland & Son.

Bruning, Neb., Aug. 21.—Farmers plowing now.—E. C. Carter, prop. Bruning Mill & Elvtr.

Guide Rock, Neb., Sept. 3.—Small grain in bad shape; badly damaged and sprouted.—L. E. Thunhorst, mgr. Farmers Union Co-operative Co.

Spalding, Neb., Sept. 1.—Wheat threshed from shock poor grade account too much rain; corn looks good but late.—A. J. Cook, mgr. Spalding Elvtr. Co.

Nelson, Neb., Aug. 28.—From 80 to 90% wheat in stack; quality poor; prospect for bumper corn crop if frost holds off.—C. A. Hiatt, mgr. F. S. Spurck.

Carroll, Neb., Aug. 30.—Had reports of light frost last night but not enuf to damage corn; will need 3 weeks of good dry weather to get movable corn; oats making from 30 to 45 bus.; early oats dark but good weight; late oats lighter but good color; will make No. 3 white.—H. Fitz Simmons.

Powell, Neb., Aug. 31.—Most corn late; afraid of frost which will damage; wheat yield big; quality poor; no oats.—C. W. Samms, mgr. Nelson Bros. Grain Co.

NORTH DAKOTA.

Lewistown, O., Aug. 20.—Corn looking fine.—C. E. Emery.

Dresden, N. D., Aug. 27.—Barley yield heavy.—L. Lindgren, agt. Cargill Elvtr. Co.

Shields, N. D., Aug. 23.—Considerable grain is lodged from wind and rain; corn very late.—Christ Neuman, agt. Empire Elvtr. Co.

Buchanan, N. D., Aug. 27.—Best crop here in years; corn damaged some by frost this month.—S. F. Northrup, formerly agt. North Star Grain Co.

OHIO.

Columbus, O., Aug. 28.—Wheat, oats, barley and rye in bad shape; worst weather conditions since 1875; deterioration of these crops in Ohio will reach \$15,000,000; situation not improving altho last few days have shown improvement in weather conditions but damage is so great that good weather will not improve the quality and condition of the grain very much except to give the farmer a chance to thresh his spoiled crop. Corn looks fine; hard to tell extent of damage by wind storms which have blown down a great deal; weather cool and wet consequently it is green and sappy; will be late maturing; if no frost until late September will probably have big crop; quality depends on weather; unless it is in shock by Sept. 1 will not be put in shock before Sept. 15 or 20.—J. M. McCord, sec'y Ohio G. D. A.

Government Crop Report.

Washington, Sept. 8.—The Crop Reporting Board of the U. S. Dept. of Agriculture reports the Sept. 1 condition of buckwheat to have been 88.6, against 87.1 a year ago, and the acreage to be 800,000 or 101% of the 1914 acreage. The yield is 18,000,000 bus.; against 17,000,000 bus. last year.

Rice showed a condition on Sept. 1 of 82.3, against 88.9 a year ago, and the acreage is 117.5% of last year's, or 815,000, yielding 26,000,000 bus., against 24,000,000 last year.

Rye condition is not reported upon, but the yield will be about 44,000,000 bus., against 43,000,000 bus. last year.

Hay promises a crop of 81,000,000 tons, against 70,000,000 last year.

Details for important crops in principal states follow, 000 omitted:

OATS.

	Cond.	Sept. 1, 10-yr. av.	Forecast, 1915, from Sept. 1 condition.	Final estimate, 1914.
N. Y.	97	85	49,800	40,162
Pa.	98	84	41,100	32,190
O.	85	78	59,800	50,325
Ind.	87	74	57,000	44,888
Ill.	93	75	171,700	125,990
Mich.	93	80	55,500	50,752
Wis.	102	82	96,000	62,100
Minn.	100	79	127,100	85,120
Ia.	92	82	182,200	165,000
Mo.	78	70	33,400	25,800
N. D.	102	76	86,000	64,904
S. D.	101	75	59,000	44,165
Neb.	85	71	67,500	69,600
Kan.	70	67	44,800	58,960

U. S. 91.1 78.1 1,408,000 1,141,060

SPRING WHEAT.

Minn.	92	78	72,100	42,000
N. D.	97	73	126,600	81,592
S. D.	96	74	54,600	30,600
Wash.	92	81	19,700	16,400

U. S. 94.6 76.8 322,000 206,027

CORN.

Penn.	86	83	64,100	62,178
Va.	95	82	62,600	39,380
N. C.	87	84	59,600	57,550
Ga.	84	86	64,900	56,000
O.	86	84	151,800	142,715
Ind.	85	84	193,100	163,317
Ill.	78	80	358,600	300,034
Mich.	70	82	51,500	63,000
Wis.	54	85	40,900	69,862
Minn.	52	86	55,700	91,000
Ia.	65	82	299,400	389,424
Mo.	75	74	207,900	158,400
S. D.	75	83	81,900	73,000
Neb.	81	72	202,900	173,950
Kan.	88	62	159,800	108,225
Ky.	90	82	120,100	91,250
Tenn.	86	83	93,100	80,400
Ala.	87	84	71,600	55,488
Miss.	78	82	65,500	58,275
La.	82	81	50,600	38,600
Tex.	80	71	167,700	124,800
Okla.	95	60	123,100	50,000
Ark.	79	78	57,800	42,000

U. S. 78.8 78.1 2,985,000 2,672,804

BARLEY.

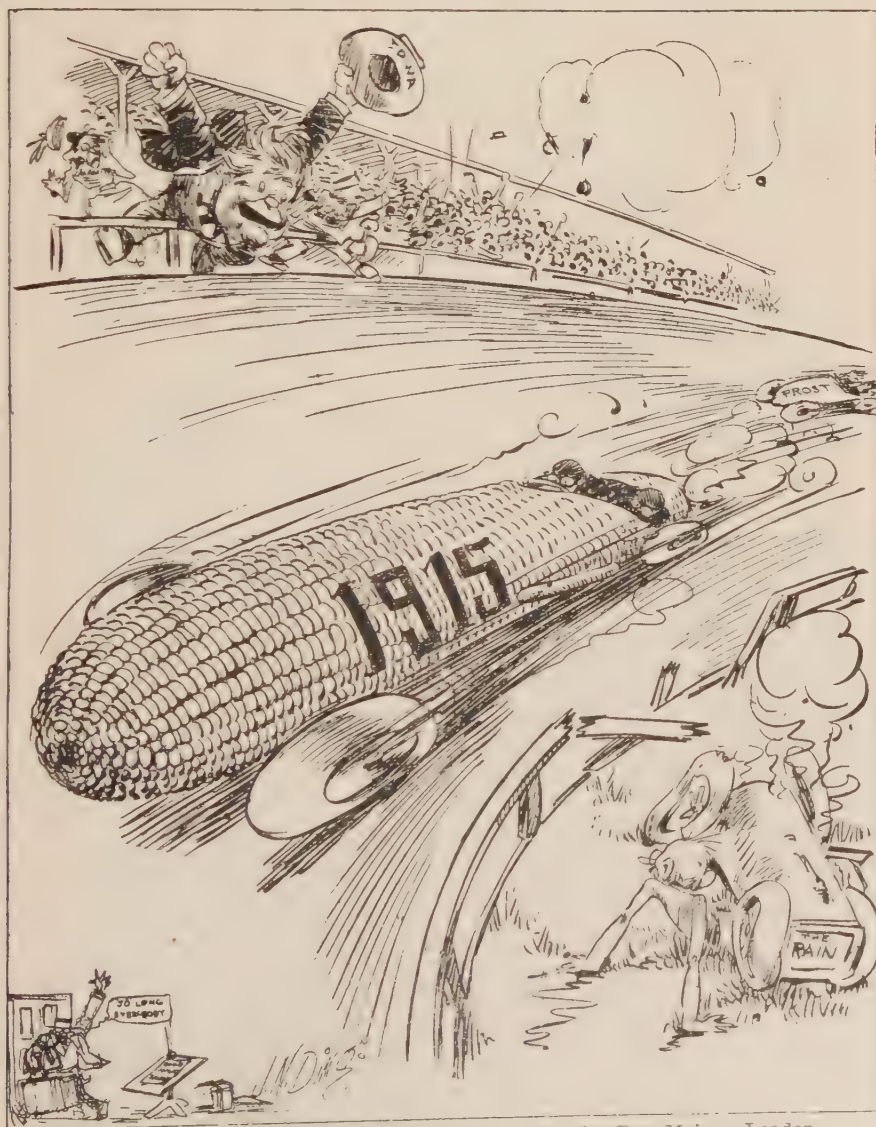
Wis.	98	84	22,200	18,428
Minn.	94	79	39,300	31,694
Ia.	91	84	10,100	9,360
N. D.	98	74	37,800	28,275
S. D.	100	76	23,400	19,550
Kan.	93	59	7,000	5,880
Colo.	94	89	4,000	3,966
Ida.	96	92	8,000	7,030
Wash.	93	89	7,000	7,098
Ore.	90	88	4,300	3,660
Cal.	88	85	40,700	42,060

U. S. 94.2 79.7 223,000 194,953

FLAX.

Minn.	85	82	3,100	2,930
N. D.	85	78	8,000	6,972
S. D.	94	81	3,300	2,400
Mont.	92	83	3,200	2,560

U. S. 87.6 79.1 18,000 15,559



King Corn is Gaining on Jack Frost.—From the Des Moines Leader.

Feedstuffs

KEARNEY, NEB.—The Kearney Alfalfa Meal Mill was destroyed recently. Loss, \$12,000. The structure may be rebuilt.

STEIN & WITLIN, Buffalo, N. Y., are planning the erection of a feed mill at that city to handle mixed car business.

EDWIN FORE, Pittsburg, Tex., is arranging for the installation of a feed mill for the manufacture of meal and corn chops.

IMIG, GRAFF & HENTZEN, Seward, Neb., have placed an order for the milling and feed mixing machinery to be used in its new plant at that city.

THE WM. POLLOCK Milling & Elevator Co., Mexico, Mo., has registered the word Cuckoo as a trade-mark descriptive of its chick food, claiming use of the term since April 1, 1915.

JOHN WADE & SONS, Memphis, Tenn., will erect a new corn meal mill at that city. The new plant will be of wood and iron construction and is to be in operation Nov. 1.

FIRE recently destroyed the plant of the Denver Alfalfa Milling & Products Co., at Wiley, Colo. The building was partially covered by insurance and will be rebuilt at once.

THE UTAH CEREAL Co., Ogden, Utah, has approved plans for a \$10,000 concrete building to be used in the manufacture of poultry feed and other by-products of the main plant.

THE CITY FEED STORE, Scottsdale, Pa., has purchased the property at that city which it has occupied for a number of years and will erect a new elevator and warehouse at once.

THE J. F. WEINMANN Milling Co., Little Rock, Ark., has purchased 3½ acres of land at that city upon which will be erected a large mill for the manufacture of corn meal and mixed feeds.

THE VINITA Milling Co., Vinita, Okla., has been organized with Claude Freeman as pres. and manager. The company is constructing an \$8,000 building and will install machinery for the manufacture of feed and meal.

A MODERN ALFALFA feed mill has been constructed at Townley, N. Y., by Chas. Schaefer & Son, Brooklyn, where the firm will grind meal, relean oats, and manufacture a large assortment of poultry, cattle and horse feeds.

THE TEXAS Kafir & Milo Ass'n has been organized at Amarillo, with the following officers: W. P. Dial, pres., Memphis; J. W. Longstreth, vice-pres., Plainview; G. W. Briggs, sec'y, Lubbock; Ray Wheatley, treas., Amarillo.

OMAHA, NEB.—Work has been started on the new concrete storage bins of the M. C. Peters Mill Co., which when completed will give the company total storage for 100,000 bushels. The company also expects to shortly complete its building for the manufacture of cotton and burlap bags. The plant will be of brick, three stories high, with floors of steel and concrete. The output of the bag plant will be sufficient to give the company a surplus, but no general solicitation will be made for bag orders. Six railroad tracks are being added to the service department, the company recently acquiring for this purpose an additional 72,000 feet of land.

BOSSEMAYER BROS., Superior, Neb., have registered the words Double B Brand, set in a circular design, as a trade-mark descriptive of the firm's corn, oats and wheat mixtures for feeding purposes, claiming use of the description since May 1, 1914.

THE FRAME ELEVATOR of the Globe Elevator Co., Buffalo, N. Y., was destroyed by fire on Aug. 21, entailing a loss of \$45,000, covered by insurance. The fire is thot to have originated in a freight car alongside of the plant, and the flames spread so rapidly that the fire department had all it could do to confine the blaze to the one building. Much new machinery for the manufacture of feed had recently been installed.

ALFALFA MIXED FEED trade is feeling the bullish effects of the European war on the market for molasses. That commodity was available a year ago at \$12.50 to \$13 a ton. Now, because it is being purchased by distillers who are supplying powder makers with alcohol, the molasses market is quoted in Kansas City at \$16 to \$20 a ton. Alfalfa molasses feed and grain alfalfa molasses is higher as a result. Some mixers fear the distillers, who are making alcohol from molasses, will buy up so much of the 1915 crop that there will be a serious shortage and advances in prices of alfalfa molasses feeds that will encourage the substitution of other feedstuffs. This would be felt in alfalfa to a degree.—Edgar-Morgan Co.

Exports of Feeding Stuffs.

Exports of feeding stuffs during June, 1915, compared with June, 1914, and during the 12 months ending July 1, 1915, compared with the period ending July 1, 1914, according to the report of the United States Bureau of Statistics were, in tons, as follows:

	June, 1914.	1915.	12 mos. ended July 1, 1914.	1915.
Bran and middlings	315	1,062	2,570	11,426
Dr. grns. & mt. spts.	6,183	56	59,788	7,590
Mill feeds	4,187	535	67,690	25,450
OIL CAKE AND OIL CAKE MEAL (LBS.).				
Corn	4,326,110	1,120,000	59,030,623	44,026,125
Cottonseed meal	11,987,782	.....	256,365,126	.....
Linseed or flax-seed	36,967,217	30,910,163	662,868,639	524,794,434
All others	486,175	185,405	8,484,936	9,900,878

Feedstuffs Movement in August.

Receipts and shipments of feedstuffs at the various markets during August, 1915, compared with August, 1914, were as follows:

	—Receipts—		—Shipments—	
	1915.	1914.	1915.	1914.
Chicago, lbs.	33,570,000	51,255,000	85,330,000	81,370,000
St. Louis, sacks	193,800	107,650	160,020	124,275
Milwaukee, tons	17,280	22,080	20,551	28,846
Louisville, bus.	6,100	18,400	110	5,045
Peoria, tons	3,408	5,506	11,080	12,729
Minneapolis, tons	2,286	6,037	44,546	64,871
Kansas City, tons	1,840	2,800	11,200	11,440
New York, tons	1,834	.....	.....	.....
Baltimore, tons	567	981	.....	298
San Francisco, tons	417	395	.....	.....

AN EAR OF CORN resembling a human hand has been exhibited by the Moss Grain Co., at the Kansas City Board of Trade. The ear is about the size of a man's hand and is divided into five sections, arranged by nature to represent the thumb and fingers. The ear was found in a field of Jackson County corn.

Northwestern Grain Dealers Meet.

The Northwestern Grain Dealers Ass'n, comprising dealers of Montana, Idaho, Washington, Oregon and Wyoming, held its annual convention at Helena, Mont., Aug. 21. Mayor Working welcomed the delegates, relating a few historic incidents in which the city figured prominently, and ending with figures showing the importance at present of Helena in grain and other trades. W. N. Smith, Harlowton, Mont., responded.

Capt. I. P. Rumsey was present from Chicago, and when called upon for a talk compared conditions of the present with those existing when he first entered the grain business, before the Civil War.

Sec'y H. N. Stockett read his report for the year, as follows:

Secretary's Report.

Any one handling grain in the regular way is eligible to membership in our ass'n. Method and system mean much for practical utility and economy and means the lifting of the industry to a higher level. We must have collective effort; individual effort counts for but little.

Every encouragement should be given the application of scientific farming. Montana leads the world in the quality of her grain and the volume per acre, but still there is room for improvement. For success we must have a desirable product and a reasonable profit. The disturbing element in the grain trade is greed. This should be replaced by thrift, economical management and the stopping of leaks. Collective effort gives the dealer a clearer vision of his opportunities. Individual efficiency, however is not to be lost sight of. The more perfect the links, the stronger is a chain. It matters not so much who are in the grain business; what counts is how they are in it.

With the greatest grain crops ever harvested in our section of the country, and ever increasing demands for our grain products, it behooves us to make the best use of our opportunity, with a regard for wholesome regularity and with a sincere desire for all that makes for universal peace—not peace at any price, but peace with honor.

Afternoon Session.

The afternoon session was called to order at 2:00 o'clock, and C. F. Stevens, insurance manager of the ass'n, was the first speaker. He delivered a well prepared address on Insurance Requirements of Elevators and Mills. J. W. Goodman of Great Falls, Mont., traffic manager, discussed features of his line of work.

Hot Springs was selected as the meeting place of the next summer meeting to be held in June. A mid-winter convention will also be held, meeting place to be announced later.

The evening was given over to a banquet and entertainment of which W. N. Smith was toastmaster. Sec'y of State A. M. Alderson and Prof. Alfred Atkinson of the Montana State College made a few brief remarks, followed by the election of officers for the year, resulting as follows:

H. S. Anderson, Stanford, pres.; R. T. Trask, Bozeman, vice-pres.; W. H. Pierce, Great Falls, treas.; H. N. Stockett, Great Falls, sec'y.

Members of the advisory board include H. S. Anderson, Stanford; C. R. McClave, Lewistown, and W. H. Pierce, Great Falls.

Grain Trade of Davenport, Ia.

As a grain market Davenport, Ia., has the advantage of a location in the path of travel of grain, and the possession of several local industries that draw grain to that market. Davenport has been and is particularly attractive to shippers as a market for malting barley and milling oats. On the Mississippi River and with seven lines of railroad its shipping facilities are excellent. Besides the three big systems, C., B. & Q., C., M. & St. P. and the Rock Island, there are the Davenport, Rock Island & Northwestern, the Iowa & Illinois Railway, and the Rock Island Southern and Davenport & Muscatine electric.

Grain consigned to this market is given an impartial inspection and weighing by Van R. Rowe, Chief Inspector and Weighmaster, who issues official certificates of weight and grade. Mr. Rowe, whose portrait is reproduced herewith, was appointed by the Davenport Grain Exchange. Car condition reports and seal records are issued with every car, and the hammer test is used to learn the physical condition of the car.

The Davenport Grain Exchange was

organized in 1905 and incorporated in 1911. The officers are W. H. Holliday, pres.; W. E. Weeks, vice pres.; Bert Dow, sec'y, and W. J. Martin, treas. Among the firms which are members are Davenport Elevator Co., Merchants Elevator Co., Griffith Grain Co., Hutton, Collins & Frenzel, Independent Brewing & Malting Co., Davenport Malt & Grain Co., The Red Mill, Phoenix Milling Co., Western Flour Mills Co. and Purity Oats Co. The total elevator capacity is 1,500,000 bus.

Davenport grain dealers shown in the engravings are Bert Dow of the Davenport Elevator Co., C. E. Griffith of Griffith Grain Co., W. A. Hutton of Hutton, Collins & Frenzel and W. H. Holliday of the Merchants Elevator Co.

AMERICAN elevator builders are submitting to the Argentine Government proposals and plans for the building of terminal grain elevators. Alberto de Ibarra and E. L. Jones have placed the proposition before the Minister of Agriculture, and R. C. Aldao, who recently returned from the San Francisco Exposition, is also urging the government to take some action.

Crop Improvement.

WISCONSIN BANKERS ASS'N is circulating posters to farmers of the state urging them to use 1914 seed corn for the 1916 planting, believing that the new crop will not be suitable for seed purposes owing to lateness of season.

FARMERS of Coal County, Okla., have found W. T. Yoakum, county farm demonstrator, so valuable during the last year that they have raised his salary \$50 per month for the year 1916. Thru his efforts the corn crop of that county will be double that of any previous year.

THE OKLAHOMA Grain Dealers Ass'n and other interested bodies have sent delegations to Wichita, Kan., to confer with the State Agricultural College in an effort to obtain better seed wheat. Grain men of the state met at Enid on Aug. 28 to discuss the matter of improving the quality.

SEED OATS used by Ontario farmers without the process of inoculation are reported by the Dep't of Agriculture to be causing a loss by smut of from 15 to 25 per cent of the crop. The fields where the seed received the formalin treatment are said to be clean and coming along in excellent style.

WISCONSIN GRAIN DEALERS and growers of wheat and rye were quick to realize the value of the Crop Improvement Com'ite's suggestion regarding hold-over seed. As much of the seed from the present crop will be unfit for planting the Com'ite asked for names of persons able to supply seed which had been tested for germination. Hundreds of responses have been received, each specifying the variety and number of bushels available.

THE EXCESSIVE RAINFALL will make it necessary to use much 1914 seed corn for planting the 1916 crop, according to Bert Ball, chairman, Crop Improvement Com'ite, Chicago. To determine how much germination value is lost by corn within one year Mr. Ball has just tested a sample of seed from Lee County, Ill., cut on Aug. 4, 1914, before the kernels showed signs of denting. This sample has been lying around Mr. Ball's office ever since, but upon being tested it still showed unusual strength and germinated 100 per cent. The sprouts have been kept in a moist rag doll tester for several weeks and at present the "stalks" are 8 inches in length. This proves that 1914 corn is still good for seed, and also indicates that tho the present crop is too late to dent before cutting there is still hope of its germinating.

Inside the Offices of Davenport Grain Dealers.



Top—C. E. Griffith of the Griffith Grain Co.
Middle Left—W. H. Holliday, Pres. Grain Exchange.
Middle Right—W. A. Hutton of Hutton, Collins & Frenzel.
Bottom—Bert Dow of the Davenport Elvtr. Co.



Van R. Rowe, Davenport, Ia., Chief Weighmaster and Inspector.

Seeds

CHICAGO made its first sale of new clover seed on Sept. 2, when four bags sold for \$11.

GRAINFIELD, KAN., Aug. 27.—Cane and millet seed condition is A-1, but the acreage is small.—F. O. Hanson.

DRESDEN, N. D., Aug. 27.—The flaxseed crop has been damaged by frosts.—L. Lindgren, agt., Cargill Elvtr. Co.

C. A. HEATH has been added to the arbitration com'tee on grass and field seeds of the Chicago Board of Trade.

A LARGE SEED WAREHOUSE will be opened at Chinook, Mont., by the Bogy Mercantile Co. within the next few weeks.

TOLEDO received the first shipment of 1915 red clover seed on Aug. 23. The seed was from central Ohio, graded No. 3, shrunken and dirty, and sold at \$9.

A CARGO of 20,650 bags of flaxseed, received at Baltimore, Md., from Rosario, Argentina, has been reshipped to Milwaukee, Wis.

BUCHANAN, N. D., Aug. 27.—Flaxseed has been damaged to some extent by the frosts this month.—S. F. Northrup, agt., North Star Grain Co.

THE MARLOW SEED CO., Wichita, Kan., is building an addition of stone and concrete to its plant in that city. The new building will be completed Oct. 1.

A CARGO of 165,000 bushels of flaxseed received at Buffalo from Argentina has been reshipped to Chicago. The seed was sent to Buffalo via the Erie canal.

THE TIMOTHY SEED CROP of Missouri will be only about 60 per cent. Yield of flaxseed is seven bushels per acre.—State Board of Agriculture, Columbia, Mo.

MATTOON, ILL., Sept. 3.—Timothy seed prospects up to Aug. 10 were favorable for a big crop, but the heavy rains during the last three weeks of August have cut the yield 40 per cent.—C. W. Harris.

MINNEAPOLIS HAS RECEIVED two cars of flaxseed from the new crop, one originating in southern Minnesota and the other in Montana. Liberal shipments from those points are expected from this time on.

M. M. WALKER, manager, Atlanta Seed Co., Corvallis, Ore., is constructing a 60x120-foot building at Woodside to be used for picking, storing and milling peas. The crop to be handled is estimated at 20,000 bushels.

SETH BULLOCK, Deadwood, S. D., has registered the words Seth Bullock Ranch Alfalfa Seed as a trade-mark descriptive of the Alfalfa seed grown on his ranch. The trade-mark includes also the signature of Seth Bullock.

L. P. GUNSON & Co., seed merchants of Rochester, N. Y., have been made defendants in a suit brought by nine farmers of Huxley, Ia., who allege that oats purchased for seed purposes were not as represented. The amount involved is \$1,240.

CANADIAN GOVERNMENT, which last year made many seed loans to farmers whose crops were below normal, is notifying these growers that the indebtedness must be paid out of the present crop. Lists of borrowers have been circulated among the elevator trade with the request that amounts due be collected from the grain marketed.

A SEED LABORATORY has been installed by the Ross Seed Co., Louisville, Ky., and a chemist employed to determine the character of the seeds handled.

THE YOUNG-RANDOLPH SEED CO., Owosso, Mich., has started the construction of its new building to be used as a factory and warehouse. The building will be of brick, 30x100 feet, and two stories high.

A. H. HOFFMAN, seed dealer of Landisville, Pa., has reorganized as A. H. Hoffman, Inc., taking into the corporation two former employees. E. M. Godshalk is sec'y-treas. Mr. Hoffman remains in active charge and the corporation will continue to specialize on seed wheat.

CLOVER SEED averages one large crop every five years, but we have had two in succession. We are now due for a short one. It looks worse near here than in some other states. Canada had failure last year. They hope for more, but do not thresh medium until October. European harvest later than ours.—C. A. King & Co.

THE PRICE of Minnesota seed corn next spring is likely to be \$5 per bushel, according to A. D. Wilson, director of the Agricultural Extension Division at the State University. The present crop is much behind its normal stage of development for this time and a yield of corn for seed purposes is far from assured. If Minnesota corn is used for seed purposes next year it will have to come from the well drained and carefully cultivated fields and Mr. Wilson suggests the selection and picking of such corn before the first heavy frost.

TOLEDO, O., Sept. 7.—Clover seed is late and uncertain. Only a moderate yield is required to supplement the large carry-over, but this is not yet assured. Unfavorable weather conditions have advanced prices to the season's highest levels. At the top, considerable short selling was in evidence. Also a fair amount of profit-taking, and opposition of this sort may be expected on any new bulges. Early threshing returns are very light. The northwest had a large acreage, but is worried about the heads filling. The yield there is still in doubt. While prices are the highest of the season they are well under the maximum reached in 1911 and 1912, when actual shortage developed. Stocks at Toledo on September, were 8,497 bags, compared with 6,951 bags last year and 1,115 bags in 1913. The general belief is that interior points are fairly well supplied.—Southworth & Co.

WASHINGTON, D. C., Sept. 7.—Heavy importations of crimson clover seed of low germination have caused the United States Department of Agriculture to warn farmers to ascertain the germination of the crimson clover seed they are using. Otherwise many crop failures are sure to result from using dead seed. Since July 15, 1915, 26 lots of crimson clover seed have been imported. In three of these lots, containing enough seed to sow over 2,850 acres, there was no seed that could be expected to grow under field conditions. In five other lots, aggregating enough to sow 8,600 acres, the seed only germinated from 45 to 50 per cent. The importation of these lots, together with 1,000,000 pounds of seed of low germination imported during May and June, makes it more important than ever that farmers should know the germination of the crimson clover seed they are seeding. The Department of Agriculture has no power to prevent the admission of such seed and it is therefore warning farmers to be on their guard in planting.

MICHIGAN CLOVER SEED condition is 75% for the state, 71% in the southern counties, 78% in central counties, 86% in the northern counties, and 91 in the Upper Peninsula. Condition for the state a year ago was 81%.—Dep't of State, Lansing.

Flaxseed Movement in August.

Receipts and shipments of flaxseed at the various markets during August, 1915, compared with August, 1914, were in bus., as follows:

	Receipts—		Shipments—	
	1915.	1914.	1915.	1914.
New York	1,342,522	116,950	.....	.....
Minneapolis	114,770	15,730	3,320	6,330
Milwaukee	45,590	15,730	.....	.....
Duluth	41,965	92,051	459,987	471,293
Winnipeg	34,850	88,000	.....	.....
Kansas City	2,000	8,000	1,000	10,000
Chicago	1,000	29,000	.....	4,000

Clover Seed Movement in August.

Receipts and shipments of clover seed at the various markets during August, 1915, compared with August, 1914, were as follows:

	Receipts—		Shipments—	
	1915.	1914.	1915.	1914.
Chicago, lbs.	327,000	1,150,000	264,000	264,000
Milwaukee, lbs.	319,206	239,300	51,684	330,000
Toledo, bags	442	2,725	.....	.....

Timothy Seed Movement in August.

Receipts and shipments of timothy seed at the various markets during August, 1915, compared with August, 1914, were as follows:

	Receipts—		Shipments—	
	1915.	1914.	1915.	1914.
Chicago, lbs.	1,201,000	4,914,000	1,372,000	2,658,000
Milwaukee, lbs.	150,492	193,755	577,000	260,000
Toledo, bags	569	901	.....	.....

Imports and Exports of Seeds.

Imports and exports of domestic and re-exports of foreign seeds during June, 1915, compared with June, 1914, and for the 12 months ending July 1, 1915, compared with the 12 months ending July 1, 1914, as reported by A. H. Baldwin, Chief of the Bureau of Statistics, were in pounds, as follows:

	IMPORTS.			
	June.		12 mos. ended July 1.	
	1914.	1915.	1914.	1915.
Castor beans, bus.	114,581	315,189	1,030,543	924,604
Flaxseed, bus.	665,776	1,709,576	8,653,235	10,666,215
Red clover	143,868	122,565	6,764,218	8,749,757
Other clover	708,348	1,103,515	23,343,431	15,406,954
Other grasses	2,865,361	2,735,425	31,937,701	34,690,259
EXPORTS.				
Clover	41,725	5,992	4,640,852	9,750,064
Timothy	269,298	203,160	12,480,294	17,333,144
Other grasses	225,314	149,011	5,156,801	4,342,926
Flaxseed, bus.	23,110	501	305,546	4,145
EXPORTS OF FOREIGN SEEDS.				
Clover	.....	.....	.....	16,621
Other grasses	.....	.....	197,395	21,153

THE VALUE of wheat and flour exported from the United States during the fiscal year 1915 was \$482,400,000; compared with \$142,400,000 for 1914; corn and corn meal, \$41,300,000, compared with \$8,300,000 in 1914; barley, \$18,200,000, compared with \$4,300,000 in 1914, and rye, \$15,100,000, compared with \$1,600,000 in 1914. Exports for the month of June, 1915, were, wheat and flour, \$18,900,000, compared with \$11,100,000 for the same month last year; corn and corn meal, \$3,400,000, compared with \$800,000 for June, 1914; barley, \$700,000, compared with \$200,000 for June, 1914, and rye, \$200,000, compared with \$400,000 for the same month last year.

From the Seed Trade.

LONDON, ENG., Aug. 23.—Only a quiet demand prevails for mustard, rape, trifolium, winter tares and rye. The market is unchanged. A steady demand for clover seeds; alsike has advanced in the last two weeks and natural grasses are still in demand.—C. W. Le May & Co.

BALTIMORE, MD., Aug. 26.—As the unseasonable weather has disheartened the farmers we do not look for as liberal a trade in seeds this fall as would be seen under ordinary conditions. In many sections farmers are short of funds owing to the damaged wheat crop, so we do not believe they will spend more money for seed than is absolutely necessary.—Blamberg Brothers, Inc.

AUGUST receipts clover seed at Toledo have been smallest since 1909 with one exception. They have been 481 bags against 2,720 last year, 1,015 two years ago, 460 three years ago. Largest were 6,420 in 1908. Crop that year was early and largest since 1897. Smallest August receipts were 110 bags six years ago. Crop is late and mammoth poor. August receipts are usually small, September much larger. October receipts are apt to be the largest, especially on late crops. August receipts show how mammoth is turning out but are no criterion for medium. August shipments are always small.—C. A. King & Co.

EYOTA, MINN., Sept. 2.—Forty recent reports indicate that timothy seed is of the best quality with yield ranging from three to seven bushels per acre. However, not as much seed will be available for shipment as a year ago, when the carry over was very liberal. Reports from Iowa are conflicting, but the quality as well as yield from that state is liable to be poor. Conditions are far from a bearish situation. Alsike samples are very good. Timothy seed in southern Minnesota is a favorite and fully as profitable as most of the grain crops. Farmers who discontinued timothy some years ago are coming back to it as values are now more satisfactory.—J. B. Leveille.

MINNEAPOLIS, MINN., Sept. 1.—The acreage of flaxseed in South Dakota this year has been increased, and while the crop is in good condition seed is scarce. A large portion of the yield will be held for next year's seeding. North Dakota and Montana acreage of flax was not materially increased. Prospects of a larger yield were excellent, some persons estimating the increase as 2,000,000 bushels. About 10 days ago, North Dakota was visited by a serious frost which recurred again last week. While the eastern portion of the state was farther advanced than the west, a little late sown flax in the eastern portion suffered some damage. In the central and western portions 30 per cent of the flax acreage was late sown flax and this was seriously hurt by the frosts.—The Van Dusen Harrington Co.

BELFAST, IRELAND, Aug. 24.—The weather during late spring and summer was dry, resulting in a light hay crop, which was cut in showery weather, and exposed to heavy rains. Quality of both perennial and Italian has been damaged, and much will be dark in color. Quantity will be 10 per cent larger than last season. About two-thirds of the crop is still in the fields, and will be improved in condition by the fine sunny weather of the past few days. Bushel weight will be satisfactory, as the seed had ample time to ripen. However, we will not have such a large portion of heavy grades as last season. Threshing will be late, so sup-

plies will not move freely until well into September. There is no prospect of our being able to ship new crop seed before October. Crested dogtail is a full average crop, but the seed will be dark. Bright parcels will be scarce, and will command a considerable premium. A continuance of the fine weather at present would have a beneficial effect on the quality.—McClinton & Co.

Scarcity of Seed Wheat.

To determine the quantity and quality of seed wheat obtainable from the present crop Bert Ball, sec'y, Crop Improvement Com'te, Chicago, has requested grain dealers of the winter wheat states to advise him of vitality of wheat from the 1915 crop. Hundreds of replies have been received from Illinois, Indiana, Ohio and Wisconsin dealers advising that germinating strength is as good this year as ever, but many others have been received, especially from Iowa, Kansas and Nebraska, indicating that the excessive rainfall has reduced the percentage of winter wheat which will germinate. A few representative reports are as follows:

We have as yet had no wheat we could set aside as seed.—New Era Milling Co., Arkansas City, Kan.

Some of the stacked wheat may be in good condition, but not much of it will do for seed.—Shambaugh Milling Co., Clarinda, Ia.

This vicinity has some wheat fit for seed, but there is much badly damaged.—Jackman Roller Mills, Minneapolis, Kan.

Very little marketable wheat; nearly all spoiled by heavy rains.—E. E. Hayes & Sons, Mount Ayr, Ia.

The wheat threshed from stack should furnish good seed, but no stack threshing has yet been done.—Edw. Bartling Seed Co., Nebraska City, Neb.

Farmers here will use 1914 wheat, as most of the new crop tests No. 4.—H. E. Foster, Ellis, Neb.

We have had no new wheat that would be suitable for seed purposes.—Davenport Elevator Co., Davenport, Ia.

Quality of the wheat threshed from stacks will be good and fit for seed.—Wells-Abbott-Nieman Co., Schuyler, Neb.

No dearth of seed wheat for local requirements.—P. H. Postel Milling Co., Mascoutah, Ill.

THE E. CLEMENS HORST CO., San Francisco, Cal., one of the largest handlers of malting barley on the Pacific Coast, has been awarded the grand prize for its display at the Panama-Pacific Exposition. This is the highest award in the world competition at the fair and consists of a solid gold medal.

IT WILL probably be another month before the trade will realize the extent of the enormous loss in bushels by the excessive rains. There will be no Standard oats except possibly in the Northwest. The short in September is in as precarious a position as the short in cash and there will be no safety on the short side until we are assured of a good contract stock. This will mean No. 3 white oats at a 5c penalty and a decided readjustment from the present position of the cash and September. It will take an extremely heavy movement to accomplish this in addition to filling the previous sales and those being daily made for export and to fill holes everywhere caused by the complete depletion of old stocks. The farmer and the weather man hold the key to the situation.—W. H. Perrine & Co.

A. F. Leonhardt Dead.

A. F. Leonhardt, former president of the New Orleans Board of Trade, died at Denver, Colo., Aug. 23, while on a western trip endeavoring to regain his health. Mr. Leonhardt was recently stricken with acute indigestion, but had apparently recovered. It is believed, however, that the sudden change of climate and altitude caused a relapse which ended in death. He was accompanied at the time by his wife.

Mr. Leonhardt was a native of St. Louis, was 55 years old, and for the last 35 years had resided in New Orleans. He was appointed postmaster of the city by President Taft and held that office for



A. F. Leonhardt, New Orleans, La., Deceased.

three years. Besides serving the Board of Trade as president he was for many years a member of its board of directors and various com'tes, and recently represented that body before the Civil Service Commission of the Board of Port Commissioners. He was active in the work of extending the influence of the Grain Dealers National Ass'n in the South, and was a director of the organization at the time of his death.

For a long period Mr. Leonhardt was connected with Glover & Odendahl, grain firm of New Orleans, retiring to enter the grain business on his own account. He was successful in building this business up to one of large proportions. A portrait of Mr. Leonhardt is given in the engraving.

On Aug. 26 the body was met at the New Orleans depot by a com'te consisting of all living former presidents of the Board of Trade and the present officers and directors of the institution. Mr. Leonhardt's picture on the exchange floor was draped in mourning, and at a meeting held Aug. 27 resolutions of regret at his untimely passing were expressed. During the funeral hour the doors of the Board of Trade were closed, and the grain elevators of the city suspended operations, as a mark of respect.

THE NORWEGIAN parliament has agreed to a temporary government monopoly of the wheat crop.

Grain Carriers

THE ILLINOIS CENTRAL RY. is making inquiry for 4,000 box cars and the New York Central for 1,000.

SEATTLE Merchants Exchange reports 46 vessels enroute to North Pacific ports to load grain. The total capacity is 101,677 net tons.

MONTREAL reports a large number of vessels seeking export grain charters, and a fair amount of room still available on the regular liners for fall shipment.

FOREIGN BUILT VESSELS, admitted to American registry since enforcement of the act of Aug. 18, 1914, on Sept. 4 numbered 162 with total tonnage of 565,505 gross.

ALL VESSELS of the Morgan Line plying between the Atlantic and Pacific coasts have been instructed to make Baltimore a regular port of call during September and October.

R. B. McLEAN & Co., Ltd., Saskatoon, have asked the Dominion Railway Commission to grant milling in transit privileges to the government elevators at Saskatoon, Moose Jaw and Calgary.

INTERSTATE COMMERCE COMMISSION has directed the Texas & Pacific Ry. to refund \$383 to the Powell Grain Co., on account of the unauthorized collection of elevation charges on corn at Westwego, La.—P.

INTERSTATE COMMERCE COMMISSION held a hearing at Great Falls, Mont., Aug. 25 as to rates on wheat from stations south of Great Falls when the grain is milled in transit for delivery in North Dakota and Minnesota.

THE MOBILE & OHIO RY. announces that a new tariff is soon to be issued quoting reduced rates on wheat, corn and oats from Mississippi points to Memphis. Reductions will vary from 5 to 10c per 100 pounds.

A TRAIN of 32 freight cars, loaded with grain and flour for export to Europe, was wrecked on the Lehigh Valley Ry. Aug. 20 near Philadelphia, Pa. Four of the cars plunged into the Lehigh River and many others were derailed.

THE GUTHRIE Mill & Elevator Co., Guthrie, Okla., in a petition to the Interstate Commerce Commission, asks that the charge for out of line haul service on grain from Kingfisher and intermediate points to Guthrie and return be waived.—P.

THE STEAMER Turret Chief has cleared at Chicago with 100,000 bushels of hard winter wheat for Liverpool, England. The vessel will use the Welland Canal to Montreal, discharging part of the cargo at Port Colborne and reloading at Montreal.

THE PROPOSED WITHDRAWAL of joint thru commodity rates on grain over the St. Louis & San Francisco Ry., from Ft. Scott, Kan., to Little Rock and other Arkansas destinations, has been postponed by the Interstate Commerce Commission until Dec. 24.

SOUTHWESTERN MILLERS LEAGUE has filed a complaint stating that railroads, in ignoring the order of the Commission in the case of the Arizona Commission v. the Arizona & N. M. Ry., have caused its members to pay higher rates on grain. A refund and reduction in grain rates is asked.—P.

THE PLAINFIELD GRAIN Co., Plainfield, Ill., has complained against high rates on grain to New York, via Chicago, on account of the railroads having sent them by a more expensive route. It is alleged that the shipments were charged ½c per 100 pounds more than if sent by the shorter route, and a refund of \$1,653 is asked of the Interstate Commerce Commission.—P.

THE OMAHA ELEVATOR Co., Omaha, Neb., has filed suit against the Wabash Ry., for damages amounting to \$2,188.80, alleging overcharge in rates on 24 carloads of oats and 14 carloads of corn shipped to Alabama. It is said that the rate quoted was not the rate charged, the amount asked as damages being the difference on the shipments between the two rates.

CARRIERS in Central Freight Ass'n and western classification territory have been ordered by the Interstate Commerce Commission not to discontinue the stopping of freight cars in transit to complete loading or partly unload. The Commission first suspended until Sept. 30 the tariffs proposing the discontinuance of the practice and on Aug. 27 ordered their cancellation.

BEEBE GRAIN Co., and Story Flour & Feed Co., Butte, Mont., have complained to the Interstate Commerce Commission against the 20 to 23c rate on grain from Utah, Idaho, Wyoming, and Oregon stations on the Oregon Short Line to Butte, and declaring the switching charge of 15c per ton at Butte to be unreasonable. The Commission is asked to establish reasonable rates which will include delivery of cars.—P.

THE LACK of the 30 Canadian vessels which were transferred from the Great Lakes to salt water early this season promises to be a serious handicap to Canadian grain shippers wishing to move cargoes to the seaboard. The coastwise laws prevent ships of foreign flag plying between ports in Canada, making it impossible for American vessels to load grain at Port William and Port Arthur for the St. Lawrence ports.

INTERSTATE COMMERCE COMMISSION has ruled in the case of the Iowa State Board of Railroad Commissioners v. the A. T. & S. F. Ry., that the Cummins Amendment has abolished the whole system of released rates based on agreed valuations as distinguished from actual value. The railroad is ordered to establish on or before Oct. 15 rates for the transportation of live stock which do not exceed the prescribed rates by more than 2 per cent for each 50 per cent or fraction thereof of actual value over and above that named in the table of values.

INTERSTATE COMMERCE COMMISSION in the complaint of the Henderson Commercial Club v. the I. C. Ry., has ordered that carriers provide for the rehandling of grain at Henderson, Ky., under the thru rates from points in Illinois to Virginia cities upon the same terms as at Louisville. The order of the Commission reads: That said defendants, according as they participate in the transportation, be, and they are hereby notified, and required to establish on or before Nov. 1, 1915, and maintain in their tariffs the same provisions for transit of grain at Henderson, Ky., under the thru rates from Illinois points to the Virginia cities as are contemporaneously maintained by them at Louisville on grain destined to Virginia cities from Illinois points.

SUITS have been filed against the Omaha Ry. for the refund of alleged excess freight rates on grain during the period that the Minnesota rate laws were in litigation. The St. John Grain Co., Heron Lake, asks for \$737 and the Adrian Co-operative Grain Co., \$7.

THE ILLINOIS CENTRAL RY. is providing transit privileges at Birmingham, Ala., on grain originating at St. Louis and E. St. Louis, effective Oct. 1. Heretofore transit was only permitted at Birmingham when destined to Gulfport, Meridian, Mobile and points in southeastern Carolina territory when originating at Ohio River crossings.

THE INTERSTATE COMMERCE COMMISSION in deciding the complaint of S. F. Scattergood & Co., Philadelphia, v. the E. & W. Trans. Co., held that a carrier never can be certain that the person speaking a diversion or reconsignment order by telephone has control of the B/L. As the carrier insisted on written instructions a shipment of bran was delayed for two days, and for this reason complaint was made to the Commission. Complaint was dismissed.

Changes in Rates

As shown by tariffs recently filed with the Interstate Commerce Com'n the carriers have made the following changes in rates:

B. & O. in Sup. 3 to 13052 quotes rates on grain and grain products from Columbus, O.; to points in Ontario and the C. F. A. territory, effective Sept. 15.

C. & N. W. in Sup. 10 to 11475-B quotes rates on grain and flaxseed from stations in Ill. and Wis., to points in Ia., Minn., N. D., and S. D., effective Sept. 30.

C. & N. W. in Sup. 7 to 14,000-C quotes rates on grain and seeds originating on the C. & N. W., P. R. C. & N. W., and the W. & N. W. Rys., effective Oct. 11.

C. & N. W. in Sup. 22 to 7402 quotes rates on grain and grain products from stations in Ill., Wis., Ia., Minn., to points in Neb., Wyo., and S. D., effective Sept. 30.

Ill. Cent. in Sup. 8 to 4553-D quotes rates on grain products from stations in Ill. and Ia. and St. Louis, Mo.; to points in Mich., Minn. and Wis., effective Sept. 15.

C. & N. W. in 7727 quotes rates on grain and grain products from stations in Ia., Minn., N. D., and S. D., to St. Louis, Mo., and E. St. Louis, Ill., effective Sept. 30.

C. & E. I., in Sup. 7 to 6639-A quotes milling and malting in transit privileges on grain and grain products at all stations of the C. & E. I. Ry., effective Sept. 23.

C. B. & Q. in Sup. 9½ to 1346-E quotes rates on grain and grain products from Peoria, Chicago, Quincy and E. St. Louis, Ill., to other Ill. stations on the C. B. & Q. Ry., effective Sept. 10.

C. B. & Q. in vacation of suspension notice cancels the tariffs quoting rates in connection with the C. & I. W., C. W. P. & S., Ill., Nor., Ill. Ter., and Mfgs. Junction Rys., effective at once.

C. R. I. & P. in Sup. 25 to 28675-B quotes rates on grain, grain products, broom corn and seeds in carloads, from Chicago, Peoria, Rock Island, Ill.; Council Bluffs, Ia.; Kansas City, St. Joseph, St. Louis, Mo.; Minneapolis, St. Paul, Minn.; Omaha, Neb., and other stations in Colo., Ill., Ia., Kan., Mo., Neb., Okla. and Tex., to points in Colo., Kan., Mo., Neb., N. M., Okla. and Tex., effective Oct. 8.

M. C. in Sup. 10 to 2365 quotes rates on grain and grain products from stations on the M. C. Ry. west of the Detroit and St. Clair Rivers to eastern United States and Canadian basing points, effective Oct. 1.

C. B. & Q. in Sup. 58 to 3200-B suspends rates on grain and grain products between Missouri River points and Chicago, Ill.; St. Louis, Mo.; St. Paul, Minneapolis, Winona, Minn.; La Crosse, Wis., until Oct. 29.

Wabash quotes rates between Kansas City, Mo., and Pony Creek, Keeline, Baurkemper, Nusser, Saar and Treynor, Ia., on flaxseed to 17.5c, wheat 12.75c, corn, rye, oats and barley 11.75c, effective Sept. 24.

C. & N. W. in Sup. 7 to 11095 quotes rates on grain and grain products from stations on the C. & N. W. in Minn., N. D., and S. D., to stations on the C. B. & Q. Ry. and the C. G. W. Ry., effective Sept. 30.

C. B. & Q. in Sup. 47 to 1800-B suspends rates on grain, grain products, broom corn and seeds between stations west of the Missouri River and Chicago, Peoria, Ill.; St. Louis, Mo.; Minneapolis, Duluth, Minn., until Oct. 29.

Can. Pac. quotes a rate of 16½c on wheat, corn and oats from Port McNicoll, Ont.; to Boston, Mass.; 19½c to Brunswick, Me.; 20½c to Providence, R. I., and 21½c to Hartford, Conn., and Ellsworth, effective Sept. 17.

C. B. & Q. in Sup. 26 to 4000-B suspends rates on grain, grain products and seeds between stations in Ia. and Mo. and Brookport, Metropolis, Cairo, Ill.; Memphis, Tenn.; Mobile, Ala.; New Orleans, La., until Dec. 29.

C. B. & Q. in Sup. 59 to 3200-B suspends further the rates on grain and grain products between Missouri River points and Chicago, Ill.; St. Louis, Mo.; St. Paul, Minneapolis, Winona, Minn.; La Crosse, Wis., until Dec. 29.

C. M. & St. P. quotes a rate on rye and buckwheat flour from Janesville, Wis., to Burlington, Ia., of 10.5c; Hannibal, Mo., 11.6c; Keokuk, Ia., 11.6c; LeMars, Ia., 18.9c; Louisiana, Mo., and Quincy, Ill., 11.6c, effective Sept. 15.

Mo. Pac. in Sup. 31 to 2385-A quotes rates on grain and seeds and their products between points in Ill. and Mo., Memphis, Tenn., and rate points; and St. L. I. M. & S. stations and connections in Ark. and Okla., effective Sept. 20.

C. R. I. & P. in Sup. 24 to 28675-B quotes rates on grain, grain products, broom corn and seeds from stations in Ill., Ia., Mo., Minn., Kan. and Colo., to points in Colo., Kan., Mo., Neb., N. M., Okla. and Tex., effective Sept. 30.

C. B. & Q. in Sup. 12 to 1361-I suspends the effective date of rates quoted on grain, grain products and seeds from St. Paul, Minneapolis, Duluth, Stillwater, Winona, Minn., and La Crosse, Wis., to stations in Ill., Ind., Ky., Ia., Mo. and Wis., until Oct. 29.

Ill. Cent. in Sup. 24 to 1533-R quotes rates on grain, grain products and seeds between its stations in Ia., Minn. and S. D. and Omaha, Neb.; and St. Louis, Mo.; Paducah, Ky., and its stations in Ind. and Ill., except Chicago, Ill., and rate points, effective Sept. 15.

C. R. I. & P. in Sup. 35 to 27537-B suspends rates on grain and grain products from stations on the C. R. I. & P., C. R. S., and the R. I. S. Rys., in Ill. and Ia., to Albany, New York City, Rochester, Syracuse, Utica, N. Y.; Baltimore, Md.; Boston, Mass.; Montreal, Quebec, Can.; Philadelphia, Pa., and other eastern points. and on grain, grain products, flaxseed and hay from stations in Ill., Ia., Kan., Minn., Mo. and Neb., to stations in Ill., Ind., Ky., N. Y., O., Pa., and on grain products from Armourdale, Atchison, Leavenworth, Kan.; Kansas City, North Kansas City and St. Joseph, Mo., to Lambert's Point, Newport News and Norfolk, Va., for export, until Feb. 13, 1916.

War Affecting the Grain Trade.

PRICE OF BREAD in Holland has been reduced from 18 to 16c, Dutch money, and bakers are again permitted to bake milk bread.

THE DANISH Government has ordered that millers must extract 64 per cent of rye and 69 per cent of wheat when handling those grains.

MILITARY GUARDS are to be provided for all of the western Canada grain elevators, particularly those owned and operated by the Dominion Government.

THE PORT OF ARCHANGEL is alleged to have exported more than 12,000,000 bushels of wheat since last May, explaining the indifference of the English demand during July.

WHILE EUROPE must of necessity use large quantities of our wheat, the foreign exchange situation at the present time is such that it is a great detriment to the consummation of new business.—L. W. Forbell & Co.

DANISH IMPORTERS have completed arrangements with Great Britain whereby grain and other commodities shipped to Denmark and consigned to members of the Merchant Guild at Copenhagen will not be stopped by British authorities.

GRAIN has been planted thruout Germany on the tracts formerly considered waste land and hundreds of thousands of prisoners are being used on the farms. Where necessary the army has supplied horses, and many motor plows are also used. Harvesting machine factories are swamped with orders.

GERMANY'S GRAIN MONOPOLY for the 1915 crop differs from that of 1914 in that stocks this year are requisitioned the moment the grain is cut. The community authorities harvest, thresh and store the grain, paying the owner a deposit on account, and making final settlement when the exact price is established.

AN OVERCHARGE of 10c per bushel on imported wheat sold to the French Government is charged against M. Baumann, a naturalized German, director of the largest flour mills in France, located at Corbeil. No proceedings have been started against Baumann, but the charge will be investigated.

EXPORTS OF WHEAT have been ordered discontinued by the Indian Government until Mar. 31, 1916, in an effort to prevent any advance in the price to natives. Even England does not expect to obtain any of India's surplus wheat before the date mentioned, depending for supplies upon the United States, Canada, Russia and Argentina.

ROUMANIA has removed all restrictions on the export of its grain and has even reduced the export duties. This action was necessary owing to the size of the new crops and the fact that a large unexported surplus remains from the last harvest. For a time, at least, it is believed the country will export 600 cargoes of grain daily to Germany.

GERMAN GOVERNMENT has announced that the cost of foodstuffs to the civilian population will not be increased, prices to remain at the level of recent months. Berlin has established a maximum price of \$55 per ton for rye and reduced the number of "maximum price areas" from 32 to 4, the price of grain in these areas depending upon distance from the source of supply. The maximum price of wheat is \$10 per 480 pounds, or about \$1.25 per bushel above the price of rye.

LOUIS DREYFUS & Co., grain merchants and bankers of Paris, France, are charged in the recent parliamentary reports with selling part of a cargo of grain to German agents and subsequently disposing of the same grain to France. The reports also say that while complaint was made against the firm in regular manner no action was taken by the supervising com'ite which investigated. The company denies the charges.

THE AGRICULTURAL COM'ITE of the Board of Trade at Calgary, Canada, held a meeting Aug. 30 to discuss measures of inducing the Dominion Government to purchase the entire western Canada wheat crop. The growers of the Dominion fear a slump in the price of wheat with the releasing of the Russian crop and are urging the western Boards of Trade to push the matter of Government owned wheat.

CANCELLATIONS of wheat orders by Italian and French buyers have mystified American exporters. Many reasons are given for the retirement of the foreigners from the market, among them being the enactment of a law by the Italian government forbidding sellers in that country from insisting upon high prices in contracts already made, prospective opening of the Dardanelles, inability of the foreigners to finance their purchasers owing to the drop in foreign money as compared with the American dollar and the desire of the British Government to work alone as the buyer for all the allies with a view to getting supplies as cheap as possible.

PORT OF ODESSA, Russia, contains not more than 30,000 short tons of all kinds of grain, but as 1,000,000 tons of the last crop still remains in the country much of it may later come to that port for export. No rapid movement of grain toward Odessa is likely as it is necessary to withhold a large amount of grain for an emergency food supply, and because the railroads are given over largely to military work. Moreover as the country's financial condition makes it desirable that present high prices of grain be upheld the government would discourage any sudden export movement which might depress the world's wheat markets.—H. D. Baker, Commercial Attache, Dep't of Commerce, Petrograd.

THE PACIFIC Rice Growers Ass'n has been incorporated at Oroville, Cal., by W. K. Brown, Colusa; James Owenby, Gridley; W. S. House, Marysville; C. B. Harris, Richvale; R. E. Fields, W. B. Allison and G. E. Harvey, Biggs.

GRAIN IMPORTS at Naples, Italy, for the first six months of 1915 totaled 579,623 tons, of which North America supplied 489,354 tons, the remainder coming from South America. The imports for the first six months of last year were only 150,354 tons.—Consul J. White, Naples.

THE FARMER is beginning to expect a premium for extra good wheat and should expect also a discount for poor wheat. On this crop when there will be so much difference in quality is a good opportunity to begin discounting poor wheat. At 59 lbs. as a basis one mill now is paying a premium of one-half cent per bushel for every pound test over 59 pounds. Discounting for 58½, ½c; 58, 1c; 57½, 1½c; 57, 2½c; 56½, 4½c; 56, 5½c; 55½, 8c; 55, 9c; 54½, 13½c; 54, 15c. These discounts have all been worked out by laboratory tests as to value for milling.—Frank H. Tanner, sec'y Ohio Millers State Ass'n.

Grain Trade News

ARKANSAS

Hope, Ark.—I have heard nothing regarding the proposed elvtr. for this station.—X.

Pine Bluff, Ark.—The Marco Mills, of which Elmo Marsh is pres., will spend about \$20,000 on equipment for its new elvtr. and flour mill.

Little Rock, Ark.—On Aug. 1 we purchased 3½ acres of ground adjoining the Iron Mountain Railroad tracks on which we intend to begin building about Nov. 1 an up-to-date elvtr. with storage capacity of from 75,000 to 100,000 bus. of bulk grain, and with warehouses adjoining which will hold from 50 to 75 cars of sacked grain. It is also our intention to install machinery for making all kinds of mixed feeds, including molasses feeds, and mills for grinding alfalfa hay, making corn chops and corn meal and also to install in this plant an oat bleacher and corn drier. We figure that the cost of this plant will be about \$25,000 or \$30,000.—J. F. Weinmann, pres., J. F. Weinmann Mlg. Co.

CALIFORNIA

Tulare, Cal.—The Farmers Union Warehouse Co. has built a 30x85 ft. addition to its platform to take care of the large grain crop.

CANADA

Foremost, Alta.—The Lake of the Woods Mlg. Co. will build an elvtr. here.

Vancouver, B. C.—Work on the new 1,000,000-bu. government elvtr. is being rushed to completion.

Melita, Man.—The Melita Flour Mill Co. has installed a Richardson Wheat and Oats Separator in its elvtr.

Winnipeg, Man.—The Grain Exchange held its annual meeting Sept. 8 and elected officers for the coming year.

Dalmead, Alta.—The Western Canada Flour Mills Co. is building an elvtr. here.—Ray S. Drake, Pioneer Grain Co., Ltd.

Regina, Sask.—The Saskatchewan Co-operative Elvtr. Co. will build 14 elvtrs. in Saskatchewan this year. The company has 230 elvtrs. in operation at present.

Winnipeg, Man.—The Grain Growers Grain Co. has leased the system of 168 public elvtrs. in Manitoba for another year on a 6% basis. They have been repaired by the government commission at a cost of \$12,000.

North Transcona, Man.—The elvtr. of the Canadian Pacific Ry. Co. will be filled with grain for the first time since it sank into the ground some time ago throwing it 45 degrees out of plumb. The building has been straightened and is now in operation.

Fort William, Ont.—Additions are being built to several of the grain elvtrs. here, which will increase their storage capacity so that with the elvtrs. at Port Arthur they will rank as the second largest in the world. The combined capacity of the elvtrs. will be 45,000,000 bus.

Montreal, Que.—The Board of Grain Commissioners of Canada met here Sept. 7, to look into the matter of tariff for public elvtrs. in the eastern division for the year 1915-16, including application of the Corn Exchange for compulsory insurance of grain in the eastern elvtrs.

Winnipeg, Man.—The Board of Grain Commissioners of Canada held a meeting here on Aug. 31, to discuss tariff for country elvtrs., terminal elvtrs., rules and regulations concerning country elvtrs., and an application of the Grain Exchange concerning changing the time of the weekly stock sheets of the terminal elvtrs.

Calgary, Alta.—The new 2,500,000-bu. government elvtr., under construction for some time, was completed Sept. 1. This completes the chain of elvtrs. between the Great Lakes and the Rockies; those at Moose Jaw and Saskatoon have been in operation for some time. All, including the large one at Port Arthur, will be available for handling this season's crop.

Ardath, Sask.—The Quaker Oats Co., of Saskatoon, which has been operating elvtrs. at Dunfermline, Vanscoy and Von Avon in addition to its large elvtr. and mill plant at Saskatoon, has now purchased elvtrs. at this place, Delisle, Carlton and Mennon and also at Daysland, Alta. These will be used to take care at initial points of purchases for the large plant at the company's headquarters.

Port Arthur, Ont.—The National Elvtr. Co. has commenced the reconstruction of its elvtr. which burned last May. It will be a 40,000-bu. wooden house, with galvanized iron siding and roof and will cost approximately \$15,000. It will not be used for storage but for cleaning off grades not acceptable to the terminal storage elvtrs. The grain elevating and cleaning machinery will be operated by electricity.

Fort William, Ont.—C. E. Austin, formerly mgr. of the Robin Hood Mills at Moose Jaw, has been appointed general mgr. of the government system of terminal elvtrs. He will have complete control of the staffs, plants and business of the line of elvtrs. under the jurisdiction of the Dominion grain board, including Port Arthur, 3,250,000 bus.; Moose Jaw, 3,500,000 bus.; Saskatoon, 3,500,000 bus.; Calgary, 2,500,000 bus., and Vancouver, under construction. He will have his headquarters at this city.

COLORADO

Willard, Colo.—An elvtr. has been erected at this station.

Peetz, Colo.—A farmers elvtr. company is being organized to buy or build an elvtr.

Vona, Colo.—We have our new 15,000-bu. studded elvtr. completed—Stinson & Co., Genoa.

Flagler, Colo.—We have purchased a 13,000-bu. elvtr. at this station.—Stinson & Co., Genoa.

Grover, Colo.—The new 15,000-bu. elvtr. of the Grover Farmers Clearing House Ass'n was completed Sept. 1.

Aribia, Colo.—We have our 15,000-bu. elvtr. at this place completed and in operation.—Stinson & Co., Genoa.

Boyd's sta. (Greeley p. o.), Colo.—An elvtr. is under construction for the Loveland Mlg. & Elvtr. Co., of Loveland.

Denver, Colo.—F. G. Olson, formerly with the Logan Bros. Grain Co. at Kansas City, Mo., is now mgr. of the Farmers Grain Co.

Berthoud, Colo.—The Farmers Mlg. & Mercantile Co. has reopened its plant which had been closed for repairs and new machinery.

Milliken, Colo.—Work on the new 65,000-bu. elvtr. and adjoining warehouse of the Royal Mlg. & Elvtr. Co. is now well under way.

Ovid, Colo.—The Ovid Lumber & Grain Co. is the regular grain company here and will build an elvtr. next year. The Ovid Mill & Elvtr. Co. is out of business.

Holyoke, Colo.—The Farmers Elvtr. Co. has been organized by I. H. Saylor, A. A. Trego and others. The company will probably operate one of the elvtrs. here under lease.

Craig, Colo.—We have started the erection of a 20,000-bu. elvtr. and will install all new machinery, scales and other equipment.—Steamboat Mlg. & Power Co., Steamboat Springs.

Eversman sta. (Broomfield p. o.), Colo.—There is some talk of building an elvtr. soon. Considerable loading from wagons has been done, but this station has no elvtr. at present.—X.

Sterling, Colo.—The Farmers Union has started work on its new elvtr. which will be completed in about 6 weeks. The company will start buying grain at once with Paul Beckman as mgr., who has been mgr. of the Farmers Elvtr. Co. at Haxtun for a year and agt. of the O. L. Mitten Grain Co. for the 4 years previous. Besides having charge of this elvtr. he will have control of the business transacted at the company's elvtr. at Padroni of which W. E. Stine will be mgr. It is probable that an elvtr. will be built at Peetz, which will also be under the jurisdiction of Mr. Beckman.

IDAHO

Rigby, Ida.—M. W. Smith is mgr. of the Rigby Mlg. & Elvtr. Co., and F. P. Roberts is mgr. of the Rigby Mlg. Co.

Sterling, Ida.—The Western Mlg. & Elvtr. Co. of Idaho Falls is negotiating for a site on which to build an elvtr.

Payette, Ida.—The Payette Mills, Inc., has taken over the warehouses and mills of the Payette Mlg. Co. and has placed F. O. Yeats in charge.

Cottonwood, Ida.—We will build an addition to our warehouse and will install a new pit scale in our elvtr.—Geo. S. Downer, mgr. Farmers Union Warehouse Co., Ltd.

Caldwell, Ida.—We expect to have our new concrete elvtr. completed by Oct. 1. The elvtr. has a capacity of 13,500 bus. and the meal warehouse a capacity of 7,500 bus. A. F. Isham is mgr.—Idaho Mlg. & Feed Co.

Lewiston, Ida.—I now have charge of the warehouses of the J. Alexander Co., Ltd., at this place, Lapwai, Sweetwater and Cul de sac on the Camas P. R. R. and at Tammany and Olson on the Lewiston N. I. R. R. I will have my headquarters here.—Peter Muench.

Moscow, Ida.—The Northern Grain & Warehouse Co., with district headquarters at Lewiston, has leased the old Grice Warehouse on the Inland tracks, which has a capacity of 50,000 bus., and is remodeling it into an up-to-date house. The Farmers Union Warehouse Co. has bot the 50,000-bu. warehouse of the Interior Warehouse Co. on the O.-W. R. & N. tracks, which it will use in connection with its own plant. The Interior Warehouse Co., which has been operating this house for 15 years, will retain an office here in charge of G. H. Layman and will buy grain.

ILLINOIS

Wing, Ill.—A farmers elvtr. company is being organized.

Elliott, Ill.—J. S. Cameron has his new elvtr. in operation.

Tonica, Ill.—I am now with the Tonica Grain Co.—A. W. Brown.

Ashley, Ill.—I am no longer in the grain business.—John Holbrook.

Doran, Ill.—The Farmers Grain Co. has installed a Constant Sheller.

Meriden, Ill.—Charles Thiel, of Leonore, is now agt. of the Neola Elvtr. Co.

Blue Mound, Ill.—Crow & Co. will install a Boss Air Blast Car Loader.

Stronghurst, Ill.—Lightning struck the elvtr. of W. H. Perrine & Co. recently.

Garfield, Ill.—The Farmers Grain & Coal Co. has completed its up-to-date elvtr.

Pontiac, Ill.—The Farmers Grain Co. is overhauling the machinery in its elvtr.

Matteson, Ill.—Extensive repairs will be made on the elvtr. of C. L. Dougherty & Co.

Pekin, Ill.—The Corn Products Refining Co. has installed a new scale for weighing corn.

Sweet Water, Ill.—Guy Wendell is now mgr. of the elvtr. of J. A. McCreery & Sons.

Esmond, Ill.—The Farmers Grain Co. has installed a 10-h. p. gasoline engine in its elvtr.

Steward, Ill.—The Farmers Elvtr. Co. is installing a Hall Signaling Grain Distributor.

Sandwich, Ill.—F. L. Neal, mgr. of the Farmers Elvtr. Co. for several years, has resigned.

Speer, Ill.—W. S. Root, of Spurs & Root, mashed his toe by dropping a grain door on it.

Kernan, Ill.—Milton Funk is rebuilding his elvtr. on the Santa Fe, which burned in July.—G.

Douglas, Ill.—Harley H. Woolsey has installed an automatic scale in the cupola of his elvtr.

Hutsonville, Ill.—Hurst Bros. & McNutt have purchased a 20-h. p. oil engine for their elvtr.

Savanna, Ill.—The Neola Elvtr. Co. has bot the lumber and coal yards of Schramling & Cotton.

Altona, Ill.—The Altona Grain Co. expects to build a new elvtr. soon near its present house.

Oneida, Ill.—The Farmers Elvtr. Co. has installed a 7½-h. p. electric motor to operate its elvtr.

Baylis, Ill.—The M. D. King Mlg. Co. has installed electric lights in its recently completed elvtr.

Byron, Ill.—The Farmers Grain Co. will have its new 20,000-bu. elvtr. ready for this year's crop.

Bone Gap, Ill.—Miss Mina Sims, daughter of John H. Sims, grain dealer, was married Sept. 1.

Cornell, Ill.—The elvtr. and sheds of F. P. Brady were sold at sheriff's sale Aug. 28 to C. J. Cox.

Holcomb, Ill.—I have built a 12x18 ft. addition to my office making it 12x30 ft.—Holmes Hagaman.

Alexis Jctn. (Alexis p. o.), Ill.—E. C. Beggs has bot the 5,000-bu. elvtr. of the Farmers Elvtr. Co.

Agnew sta. (Galt p. o.), Ill.—The Farmers Elvtr. Co. will build a 40x20 ft. three-deck lumber shed.

Manlius, Ill.—Charles Barber is now prop. of the 60,000-bu. elvtr. formerly owned by the S. C. Bartlett Co.

Plainfield, Ill.—The Plainfield Grain Co. has purchased 4 building lots and report states they will erect a building.

McLean, Ill.—C. C. Aldrich & Son have let the contract for the building of their new elvtr. to the 3 Americas Co.

Grant Park, Ill.—H. S. Streeter has succeeded G. M. Bennett, who recently resigned as mgr. of the Farmers Elvtr. Co.

Kirkpatrick sta. (Macomb p. o.), Ill.—Joe McKamy has purchased and taken possession of the elvtr. of Pinkney Fowler.

Baker sta. (Leland p. o.), Ill.—The Farmers Grain Co. will handle coal and lumber in connection with the elvtr. it will build.

Twin Grove Sta. (Danvers p. o.), Ill.—The elvtr. of Frank Supple, containing 12,000 bus. of oats, burned Sept. 7. Loss, \$8,000.

Neponset, Ill.—The Farmers Elvtr. Co. has its new 36,000-bu. elvtr. in operation. Improvements have been made in the old house also.

Sibley, Ill.—A drier and cooler have been installed in the Sibley Estate Elvtr. and the Sibley Grain Co. has installed a cooler in its elvtr.

North Oswego (Oswego p. o.), Ill.—The Farmers Elvtr. Co. has bot the Cligitt Elvtr., which Wm. C. & F. H. Falk have been operating under lease since June 1, 1914. The purchase price was \$12,500.

Fairbury, Ill.—G. R. McCabe, who has been operating an elvtr. with Geo. Duzenberg, has sold his interest to H. E. Crossland, of Watseka.

Waterman, Ill.—We have bot the elvtr. operated by C. S. Hunt and will take possession immediately.—Roy Wakefield, mgr. Wakefield Grain Co.

Belleville, Ill.—The plants of the Richmond Mlg. Co. and the J. F. Imbs Mlg. Co., operating elvtrs. here, were flooded during the recent rainstorms.

Baileyville, Ill.—The Farmers Grain Co. is building a 25,000-bu. elvtr. Equipment includes a 10-h. p. Lauson Engine. The Newell Const. Co. has the contract.

Little Indian, Ill.—The Farmers Elvtr. Co. is rebuilding its elvtr. and repairing the machinery. The Burrell Engineering & Construction Co. is doing the work.

Carmi, Ill.—The Campbell Mlg. Co. has succeeded the H. Spear Mlg. Co. Weigent & Sons are not regular grain dealers but exchange flour for wheat and sell feed.

Alta, Ill.—Extensive improvements have been made in the elvtr. of the Farmers Elvtr. Co., including new driveways and approaches. Chas. Kennel is the new mgr.

Kewanee, Ill.—The recently organized Farmers Elvtr. Co. has been incorporated by W. D. Lester, O. H. Meyers and others. Work on its new elvtr. will be started soon.

Atlanta, Ill.—James I. McKown has bot the interest of J. A. King in the grain business of Applegate & King and the firm will now be known as Applegate & McKown.

Nekoma, Ill.—Mr. Tiffany, formerly mgr. of the Farmers Elvtr. Co. at Oneida, will have charge of the elvtr. which the Heflebower & Peterson Grain Co. took over from the defunct W. A. Fraser Co.

Wellington, Ill.—I will build a 40,000-bu. elvtr. at once, equipped with all modern machinery, to replace my 75,000-bu. iron-clad elvtr., which was destroyed by fire of unknown origin Aug. 17.—S. M. Lockhart.

Peoria, Ill.—S. C. Bartlett Co. have taken over the private wire of the Bartlett Frazier Co., formerly operated by T. A. Grier & Co., who now have the private wire of Logan & Bryan, of Chicago, Ill.

Robinson, Ill.—The Warren Mlg. Co., which lost its plant by fire a month ago, has leased the Olwin Elvtr. on the Big Four and will install new machinery in it. Ed Calvert, of Willow Hill, will be mgr.

Champaign, Ill.—The Illinois Grain Dealers Ass'n is sending to members a booklet containing a valuable article on the "Cost of Handling Grain and Its Relation to the Insurance Companies and the Bankers," by V. E. Butler.

Tolono, Ill.—A small fire was discovered Aug. 8 in the stone engine room, which is about 4 ft. from my elvtr., supposed to have started from waste that had accumulated. It spread to the rafters and charred them before it was extinguished. Loss, \$85.—J. A. Creamer.

Crawford siding (Maroa p. o.), Ill.—Work is progressing on the 12,000-bu. elvtr. which the Ill. Traction System is building on its line. W. C. McGuire, mgr. of the Farmers Elvtr. Co. at Maroa, which lost its elvtr. by fire, will operate the house when completed.

Westervelt, Ill.—Hines Bros. will operate the elvtr. of the Ridge Grain & Elvtr. Co., which they recently bot from Mr. G. G. Bartscht, and he has removed to Shelbyville. Chas. Donnell, who formerly owned the house, is building a new elvtr.—Frank Brown, mgr. Findlay Grain Co., Findlay.

Paw Paw, Ill.—Lightning Aug. 16 struck the weather vane on top of the elvtr. cupola and passed down thru the roof of same onto the elevator. chain and then onto the shafting and disappeared. No blaze started and the damage was repaired at an expenditure of \$5.—Warner & Guffin.

Guthrie, Ill.—Chas. Inkster, of Melvin, has bot the grain and coal business of McClure & Brotherton and will take possession Oct. 1.

Sheldon, Ill.—Mack Clark has resigned his position with the Cleveland Grain Co. and is now managing the branch office of Logan & Bryan, of Chicago, Ill., succeeding O. G. Smith, who is now with the Sawers Grain Co., of Chicago, Ill. A. J. Kibbins will remain with Mr. Clark and will have charge of the futures.

Galva, Ill.—Frank Heflebower and E. N. Peterson will operate their recently acquired elvtrs. under the name of the Heflebower & Peterson Grain Co. The elvtr. on the Burlington will be managed by John M. Kingdon and M. S. Thackaberry, while the house on the C. R. I. & P. will remain under the management of Anthony Seward.

CHICAGO NOTES.

We have moved our office from the Insurance Exchange Bldg. to the Rookery Bldg.—C. H. Thayer & Co.

The recently organized Cairns Grain Co. incorporated; capital stock, \$15,000; incorporators, James E., A. M. Cairns and Mark Fink.

CHICAGO CALLERS: Frank H. and John B. Cline, Stewartsville, N. J.; Robert Allen Upham, Upham & Russell Co., Shawano, Wis.

Eli A. Beach, of the Beach-Wickham Grain Co. and a member of the Board of Trade, died Sept. 9 at Wilmette. He was 73 years of age.

Charles T. Hulburd, for the last 6 years with Hulburd, Warren & Chandler, took charge of the cash grain dept. of W. H. Colvin & Co. on Sept. 1.

E. C. Crossman, traveling representative for the Quinn-Shepherdson Co., of Minneapolis, Minn., for several years, is now traveling for Gardiner B. Van Ness.

C. A. Pfeiffer is now traveling for the E. C. Butz Grain Co. in southern Minnesota. He was formerly traveling auditor for the Western Elvtr. Co. of Winona, Minn.

Abel Harrison Bliss, a member of the Board of Trade for 39 years, died Sept. 8 at the age of 75. He was the second oldest member when he resigned in July, 1914.

George M. Patch has retired from Knight & McDougal and will take a long vacation. He was formerly a member of Carrington, Hannah & Co. and also of Carrington, Patten & Co., their successors.

The injunction suit restraining the payment of the salaries of the deputy grain inspectors will not tie up the inspection service, says Chief Inspector John P. Gibbons, the men continuing at work in the hope that the legislature will appropriate funds to meet their salaries.

The grade of oats in this market has not been lowered for the new crop, as alleged; the State Grain Inspection Department stating that the oats grades will be in fact the same, but the oats in the different grades will not have as white a color as on the preceding crop.

Ferdinand A. Mosher, a stock and grain broker of Terre Haute, Ind., has been suspended from the Board of Trade for 2 years on account of the violation of the insolvency rule of the exchange. It was charged that he had accepted money for margins after knowing he was insolvent.

John M. Galbreath, Frank T. Liddy, William C. Schillo, Milton C. McGreevy, Harry B. Kempner, Harold K. Kempner and Joseph W. Van Leunen have applied for membership in the Board of Trade. J. A. Harrison, of Clinton, Ill.; W. H. T. Foster, of Ottumwa, Ia.; Milton L. Cushing, of Fitchburg, Mass., and L. L. Winters have been admitted to membership and the memberships of John J. Maze, Robert L. Clinton, Harry L. Emmert, J. W. Geist, Walter J. Kemp, James G. Pennoyer and the estate of Allen C. Rous have been posted for transfer. Memberships are quoted at \$2,900 net to buyer.

Knox Smith, who has been associated with Chas. Sincere & Co. for a number of years, started in business on his own account Sept. 7 as a corn broker.

Henry C. Hackney has been expelled from the Board of Trade following his suspension on Aug. 3 for failure to show his books when charged with making false purchases and sales. He is 66 years of age and has been actively engaged in business since 1889.

A petition for a writ of mandamus to compel John P. Gibbons, state grain inspector, to reinstate him as an employee of his office was filed Aug. 31 in the Circuit Court by William L. Clucas. He alleges that he was dismissed on June 30 and notified that charges of inefficiency had been made against him, but that no hearing has been granted him. A number of other grain samplers, thru an attorney, have petitioned the Illinois Public Utilities Commission, to be retained in their jobs, and the Commission promised to consider their efficiency records. The men allege that being already in the employ of the state they cannot be required to take an examination, and that they cannot be discharged unless convicted of inefficiency.

Judge Landis in the federal court Sept. 8 granted the Department of Justice an order for a decree against the Chicago Board of Trade in the government's suit for an injunction to restrain the Board of Trade from operating the "call." The decree will be drafted by U. S. District Attorney Clyne and presented to Judge Landis for his approval some time this month. The allegation of the government has been that the "call" rule operated as a price fixing agency in violation of the Sherman anti-trust act. At the trial, which occupied several days, there was no controversy as to the facts, the witnesses, including the pres. and sec'y of the Board, all agreeing on the manner of operating the call and its purpose and effect, which they, however, believed had the effect of introducing a healthy competition among the terminal market buyers and maintaining an open market. The call rule was abolished by the Board of Trade, but the government alleges that a new rule has since been adopted, and District Attorney Clyne says, "After the decree has been formulated we will have an opportunity to study the new rule in the light of the language of the decree." The government's bill for an injunction was filed Feb. 11, 1913. Should the district attorney believe that the new rule violates the decree no new trial will be necessary, as on presentation of the facts to the court the latter will simply order the defendant to desist from the practice. After the decree has been approved the Board may appeal.

The Chicago & Northwestern Ry. Co. has awarded the contract for the plans for its new 10,000,000-bu. elvtr. at South Chicago, which will be operated by the Armour Grain Co. It comprises a working house of a 1,000,000 bus. capacity with facilities for receiving grain at the rate of 360 cars in 10 hours and shipping to cars at the same rate. At the same time it will be arranged to dry 90,000 bus. of grain and bleach 240,000 bus. of oats in 10 hours, besides enormous clipping and cleaning capacities. There will be a marine tower for receiving from vessels at the rate of 20,000 bus. per hour, and a river house equipped to ship to boats at the rate of 120,000 bus. of grain per hour, with a shipping gallery to carry grain out along the wharf for trimming the vessels after they have received the bulk of their load at the river house. Between the working house and the river house there will be a storage house which will bring the ultimate storage capacity of the plant to approximately 10,000,000 bus. All of the machinery will be electrically driven, deriving power from a complete independent power plant of 4,700 h. p. Water tube boilers and turbo-generators will be used. Complete facilities will be provided for collecting the dust caused by the handling and cleaning of the grain and for sacking this dust or loading in bulk. An inde-

pendent office building for convenience of the operators, a welfare building for employees, a shop building and 1,200 ft. of wharf are also included in the work. The John S. Metcalf Co. has the contract to act as designing and consulting engineers and plans will be submitted to contracting builders at an early date.

INDIANA

Ferdinand, Ind.—Ben Bolte & Sons are remodeling their elvtr.

Tell City, Ind.—Bergenroth Bros. have a new elvtr. in operation here.

Hayden, Ind.—A movement is on foot to build a co-operative elvtr.

Nortonburg, Ind.—H. Griffith has installed a Constant Sheller in his elvtr.

Nappanee, Ind.—A moisture tester has been installed in the elvtr. of Coppes Bros. & Zook.

Salem, Ind.—The Salem Farmers Mfg. Co. has increased its storage capacity to 8,000 bus.

Carlisle, Ind.—The Farmers Educational & Co-operative Union will probably build an elvtr. next year.

Hobbs, Ind.—I have purchased the elvtr of Cook & Jessup at this station.—C. Cunningham, Plymouth.

Townley, Ind.—Ross Marquardt is now mgr. of the Townley Grain & Supply Co., succeeding Edgar Crabill.

Greensboro, Ind.—A new belt will be installed in the elvtr. which Dave Blackmore leases from P. A. McCoy.

Francesville, Ind.—The Farmers Elvtr. Co. will build coal sheds and handle coal in connection with its elvtr.

Greensburg, Ind.—The elvtrs. here are said to be among the first to qualify under the new law as public storage houses.

Plymouth, Ind.—Grube, Curtis & Co. have succeeded Milner & Grube, Mr. Milner having retired from the business last May.

Cambria, Ind.—Carl Cue has bot the elvtr. from Vickery O. Clark, which he recently purchased at this place. He will take possession at once.

Monterey, Ind.—I will operate the elvtr. I recently acquired at this station in connection with my elvtr. at Leiters Ford.—J. G. Hoessel, Leiters Ford.

Vera Cruz, Ind.—David Shelley has succeeded William Fletcher, who recently resigned as mgr. of the elvtr. of the Studabaker Grain & Seed Co.

Huntington, Ind.—J. F. Winebrenner, Son & Co., props. of an elvtr. on the Wabash, have filed a petition in bankruptcy with liabilities of \$19,943.72 and assets of \$15,770.01.

Frankfort, Ind.—We are now operating the property which we purchased from the J. D. Fritch Mfg. Co. This gives us 50,000 bus. elvtr. storage and 350 bbls. milling capacity.—Sims Mfg. Co.

Star City, Ind.—The Star City Elvtr., containing about 8,000 bus. of oats, 2,000 bus. of wheat and 500 bus. of corn, burned Sept. 1 entailing a loss of about \$35,000, which was nearly covered by insurance. Much of the grain was damp and it is believed that spontaneous combustion caused the fire. The elvtr. had been operated by Ralph Phillips.

Terre Haute, Ind.—Carl Huckle, 16 years old, was arraigned in court Aug. 30, charged with malicious trespass and stealing about a half bu. of grain from a freight car in the railroad yards. Huckle admitted he took the grain, but said it was merely sweepings from the car floor, to be fed to the chickens. The judge suspended the sentence.

Indianapolis, Ind.—"Indiana Agriculture" is a handsomely illustrated pamphlet of 28 pages published by the Indiana Grain Dealers Ass'n in co-operation with the millers, bankers and agricultural interests of the state for distribution at the Panama-Pacific Exposition. The pamphlet was compiled by Prof. G. I. Christie of Purdue University.

Mardenis, Ind.—Farmers are discussing the advisability of forming a company and taking over one of the elvtrs. here.

Tocsin, Ind.—The firm of Hall-Garton & Co. is entirely out of the grain business, the partnership having been dissolved and the elvtr. property sold to the Studabaker Grain & Seed Co., of Bluffton.

Chalmers, Ind.—Lightning Aug. 23 struck the smokestack of the elvtr. at this place and started a blaze which was quickly extinguished with a barrel of salt water and 2 buckets kept for such an emergency. No serious damage was done.

Kentland, Ind.—Charles Manters, the 10-year-old son of Samuel Manters, engineer of the elvtr. at this place, was probably fatally injured Sept. 3 when the sleeve of his coat caught in the shafting and he was whirled around on a shaft which was revolving 160 times a minute. He sustained fractures of both legs and of his left shoulder, received many friction burns and was injured internally before his father, who heard his cries, could shut off the engine.

IOWA

Waukon, Ia.—Eaton & Janet are remodeling their elvtr.

Maurice, Ia.—R. De Jong is now agt. of the Atlas Elvtr. Co.

Rodman, Ia.—Turner & Frye are now operating an elvtr. here.

Winthrop, Ia.—John Reidy has built a cement approach to his elvtr.

Swea City, Ia.—The Farmers Elvtr. Co. is painting its buildings red.

Meservey, Ia.—The Hynes Grain Co. has repaired and painted its elvtr.

Derby, Ia.—G. J. Stewart & Co. are receiving grain in their new elvtr.

Mt. Sterling, Ia.—An elvtr. will be erected at this station at once.

Osage, Ia.—I am now mgr. of the Farmers Co-operative Co.—H. Oltman.

Mitchellville, Ia.—Chas. Craig has installed an electric motor in his elvtr.

Dunlap, Ia.—The Farmers Lumber & Grain Co. has built a new warehouse.

Cherokee, Ia.—The Weart & Lysaght Co. has completed its new 40,000-bu. elvtr.

Humboldt, Ia.—The Farmers Elvtr. Co. has practically completed its new elvtr.

Doon, Ia.—The Farmers Land, Loan & Grain Co. is being completely renovated.

Jamaica, Ia.—We expect to paint our elvtr. this fall.—Farmers Grain & Coal Co.

Radcliffe, Ia.—The Farmers Elvtr. Co. has completed the remodeling of its elvtr.

Cedar Rapids, Ia.—C. S. King, of the King-Wilder Co., has returned from a trip to Canada.

Freeman sta. (Mason City p. o.), Ia.—Adam Sinnington has purchased an elvtr. at this place.

Bayard, Ia.—Mike Dozler will have charge of the new elvtr. of the Chas. Dozler Grain Co.

Larrabee, Ia.—Mr. Ainley will have charge of the Farmers Co-operative Co. for the coming year.

Whittemore, Ia.—L. H. Wegener has bot the interest of his partner, Wm. Higgins, in the elvtr.

Fonda, Ia.—The Farmers Elvtr. Co. has installed a 7½-h. p. Fairbanks-Morse Motor in its elvtr.

Lanesboro, Ia.—Thomas Mead of Lake City is mgr. and Herbert Clark, ass't mgr. of the Farmers Elvtr. Co.

Liscomb, Ia.—B. F. Vorhees is building a 20,000-bu. elvtr. The Newell Construction Co. has the contract.

Mapleton, Ia.—The recently incorporated Farmers Grain & Lumber Co. will operate the Bennett Elvtr. under lease.

Northwood, Ia.—Thompto & Heiny have remodeled their elvtr., increased the bin capacity and added 2 new legs.

Murphy sta. (Newton p. o.), Ia.—D. S. Fleck, of Newton, contemplates the erection of an elvtr. here next spring.

Ewart, Ia.—C. E. Likens, of Orient, is now mgr. of the Ewart Lumber & Grain Co., succeeding William Blackstock.

Green Mountain, Ia.—The Farmers Elvtr. Co. has remodeled its elvtr. The Newell Const. Co. has the contract.

Plover, Ia.—The De Wolf & Wells Co. has painted its elvtr., built a new office and installed an inside scale and dump.

Ute, Ia.—H. B. Johnson, formerly agt. of the Neola Elvtr. Co. at Mapleton, is now with Burke Bros. & Marn Co. here.

Centerville, Ia.—We are contemplating the erection of 3 or 4 elvtrs. at stations near Centerville.—J. Rosenbaum & Son.

Mount Ayr, Ia.—The Iowa-Missouri Grain Co. incorporated; capital stock, \$75,000; incorporators, Robert Hall and others.

Lohrville, Ia.—Thos. Mead, of Lake City, will have charge of the new 26,000-bu. elvtr. of the Farmers Elvtr. Co. when completed.

Emery sta. (Clear Lake p. o.), Ia.—Landon Johnson, of Taintor, is mgr. of his father's new elvtr., which was opened Aug. 23.

Wightman, Ia.—J. W. Dowling has succeeded S. W. Gaffney as mgr. of the Farmers Elvtr. Co. The elvtr. will be generally repaired.

Maple Hill, Ia.—The elvtr. at this station is being repaired, a new scale is being installed and an office is now under construction.

Riceville, Ia.—G. J. Leary has started the erection of a 20,000-bu. addition to his elvtr. The Newell Construction Co. has the contract.

Story City, Ia.—Fire broke out Sept. 1 in the cupola of the elvtr. of F. L. Ericson & Co., but was extinguished without much damage.

Fairfield, Ia.—The Stuckey-Gossick Mlg. Co. has completed a building to house its new 25-bbl. mill, which will be in operation by Oct. 1.

Perry, Ia.—Clark Brown, of Des Moines, will move to this city and manage the line of elvtrs. of the Brown Grain Co. from this place.

Jerome, Ia.—Our recently completed elvtr. is located on the C. M. & St. P. and has a capacity of 10,000 bus.—J. Rosenbaum & Son, Centerville.

Primghar, Ia.—The bins and cupola of the new elvtr. of the Farmers Mutual Co-operative Co. have been completed and the outside covering is being put on.

Urbana, Ia.—Wm. S. Hurd has succeeded Harry Starbird as mgr. of the Farmers Grain Co.—A. T. Giese, mgr. Farmers Grain Co., Cheney sta. (Vinton p. o.).

McCallsburg, Ia.—A new concrete foundation has been placed under the elvtr. of the Farmers Grain Co., new corn cribs and office built, and an engine and sheller installed.

Hopley sta. (Lewis p. o.), Ia.—The wooden elvtr., for which Hopley & Sons recently let contract to the Burrell Engineering & Construction Co., will have a capacity of 25,000 bus.

George, Ia.—We have let contract for a 20,000-bu. elvtr. to the Younglove Construction Co. to be completed by Oct. 15. Work will start after Sept. 1.—L. B. Spracher & Co., Sibley.

Turner, Ia.—D. S. Fleck has bot the elvtr. of O. J. Turner and has placed Chas. Dykstra in charge. He will handle coal in connection. Mr. Turner will retire from the grain business.

Chatsworth, Ia.—M. Falde, H. M. Angle and T. A. Cooper, members of the defunct Farmers Grain Co., bot the elvtr., coal sheds and other property of the company at the receiver's sale Aug. 28.

Des Moines, Ia.—I am not with the Iowa Brokerage Co. now, but am representing the E. Lowitz Grain Co., of Chicago, in southern Iowa with an office in the Hubbell Bldg.—C. J. Ristvedt.

Defiance, Ia.—F. H. Hancock, of Danbury, is planning to open his elvtr., which has been closed for about 2 years.

Lake View, Ia.—Fire Aug. 21, which started in the engine room of the elvtr. of the Updike Grain Co., caused a slight damage to that room and the office and scale room. Repairs will be made at once.

Atlantic, Ia.—L. R. Nelson and myself have formed the firm of Nelson & McCaustland, which has leased the new concrete elvtr. of A. A. Mickel for a term of years.—C. W. McCaustland, formerly at Lora.

Lena sta. (Gowrie p. o.), Ia.—H. H. Waldron will have charge of the elvtr. which the Clark Brown Grain Co. recently took over from Griffith Bros. Coal will be handled in connection with the grain business.

Langdon, Ia. Fred Rowe will be mgr. of the Farmers Elvtr. & Supply Co. for the coming year. We have completed the repairs on our elvtr. and have opened it for business.—C. F. Israel, agt. DeWolf & Wells Co.

Ledyard, Ia.—The St. John Grain Co. lost its elvtr. containing about 1,400 bus. of oats, and its hay shed and coal bins with several tons of coal, by fire, Aug. 28. The debris has been removed and a new elvtr. will be built.

Postoria, Ia.—Mr. Iarns, mgr. of the Farmers Elvtr. Co., has resigned his position, effective Oct. 1, to take a similar one at Chatsworth. A. N. Moore, of Ash Creek, Minn., will not succeed him.—Michael Olson, agt. Hunting Elvtr. Co.

Lake Mills, Ia.—Eckert & Williams razed their elvtr. at this station last summer. We organized a company and built a modern 20,000-bu. house, buying the coal sheds and corn crib from them.—E. A. Eerven, mgr. Farmers Elvtr. Co.

Charles City, Ia.—Tom Berryman, formerly mgr. of a farmers elvtr. company in this state, will hereafter act as traveling representative for the Rogers Grain Co., of Chicago, Ill., in northeastern Iowa and Minnesota. He will make this city his headquarters.

Pahner, Ia.—The Farmers Incorporated Co-operative Society is building a 30,000-bu. iron clad elvtr. The equipment includes a 2,500-bu. Richardson Automatic Scale, an elvtr. leg with 14x6 cups and a Western Gyration Cleaner. D. F. Hoag & Co. have the contract.

Havelock, Ia.—One of the men working on the new annex of the Quaker Oats Co. fell about 15 ft. and struck an iron bar about 8 ft. from the ground, which broke his fall turning him so that he alighted on his shoulder. He was badly bruised but is able to be out again.

Tama, Ia.—Work has been started by the Farmers Elvtr. Co. on the excavation for its new 18,000-bu. elvtr. which will be erected by Oct. 15 just north of the site of the house which burned last winter. The Burrell Engineering & Construction Co. has the contract for the elvtr. which will cost about \$5,000.

KANSAS

Atchison, Kan.—The Blair Mlg. Co. has completed its new elvtr.

Summerfield, Kan.—John McClure has closed his elvtr. temporarily.

Florence, Kan.—P. D. Schriever has been laid up with a sprained ankle.

Hoisington, Kan.—The Ochs Grain Co. will install a Boss Air Blast Car Loader.

Narka, Kan.—T. O. Vinsonhaler, of Bellaire, is now mgr. of the Farmers Elvtr. Co.

Home City, Kan.—The Bailey Grain Co. is now operating its elvtr. with a 15-h. p. oil engine.

Frantz sta. (Geneseo p. o.), Kan.—Will Groth has bot the elvtr. of S. C. Groth at this station.

Clay Center, Kan.—We are not engaged in the grain business.—W. D. Vincent Hardware Co.

La Crosse, Kan.—The La Crosse Lumber & Grain Co. will install a Boss Air Blast Car Loader.

Ellis, Kan.—The Wheatland Elvtr. Co. will build a 100,000-bu. elvtr. Work will be started at once.

Berwick, Kan.—Joseph Harter took possession Sept. 1 of the elvtr. which he bot from J. H. Strahm.

Melvorn, Kan.—Robert Elmore has bot the interest of his partner, W. O. Stephens, in the elvtr.

St. John, Kan.—Many improvements have been made in the elvtr. and mill of the St. John Flour Mills.

Gypsum, Kan.—The Gypsum Valley Grain Co. has completed a new elvtr. to take the place of its old house.

Russell, Kan.—B. F. Herren, formerly ass't to H. F. Hanna, who died recently, is now mgr. of the Russell Mlg. Co.

Winfield, Kan.—The Baden Mills Co. has succeeded the Baden-Vilm Mlg. Co. There is no change in ownership or management.

Wellington, Kan.—J. W. Cain, of the Wellington Mlg. & Elvtr. Co., twisted his knee and will be unable to walk for some time.

Fowler, Kan.—A. Albertson, prop. of the Fowler Elvtr., has changed the name to the A. Albertson Grain Co. He is still sole owner.

McPherson, Kan.—L. D. Kneeland and Ben Nelson have moved from this city. I operate the Peavey Elvtr.—F. P. Hawthorne.

St. Francis, Kan.—We have been in the grain business for 3 years and have no elvtr. but intend to build one.—Josiah Crosby & Son.

Gypsum, Kan.—An elvtr. and alfalfa mill will be operated by the farmers and citizens, who are considering the organization of a company.

New Cambria, Kan.—Emmanuel Donmyer, grain buyer for the Lee-Warren Mlg. Co. here, has returned from a trip to the Pacific Coast.

Wilrods, Kan.—We have leased the elvtr. of J. B. McClure and have retained W. L. Smith as mgr.—Ford Co-operative Equity Exchange, Ford.

Kiowa, Kan.—We have just completed a 24x32 ft. flour warehouse. Chas. McBrayer has his new large elvtr. on the Mo. Pac. finished.—Kiowa Mlg. Co.

Montezuma, Kan.—The Morton Grain Co., of Hutchinson, has completed its new 12,000-bu. elvtr. on the Santa Fe. at a cost of about \$4,000. It is covered with galvanized iron.

Hutchinson, Kan.—A moisture tester has been installed in the grain inspector's office, as the excessive rains this year have made it necessary to test wheat as well as corn for moisture.

Grainfield, Kan.—The new 20,000-bu. concrete elvtr., which the Farmers Equity Union is building, will make the fourth elvtr. for this station, which has an average of 135,000 bus. of grain yearly.

Abilene, Kan.—Work on the 2 new concrete storage tanks of the Security Flour Mills Co. is well under way and when completed will give the company 150,000 bus. total storage capacity. The Lehrack Contracting & Engineering Co. has the contract.

Ellinwood, Kan.—Charles Seidl was painfully injured when he became entangled in a belt which he was soaping, at the plant of the Wolf Mlg. Co. He has almost recovered and will be able to work in a short time.

Topeka, Kan.—We will complete shortly practically a new 1,200-bbl. daily flour mill, having remodeled completely the former plant, having 80,000 bus. storage to which we will add in the near future about 100,000 bus. reinforced concrete tank storage.—Topeka Flour Mills Co., per H. D. Yoder, sec'y-treas.

Ransom, Kan.—C. Z. Miller has bot the elvtr. of J. M. Kendall. Mr. Kendall will continue to buy grain at Amy and Arnold.

Elkhart, Kan.—The Morton Grain Co. of Hutchinson has its new elvtr. almost completed. H. Fisher has purchased a site and will build a small elvtr. or dump and loading outfit.—I. D. Hipple, Hugoton Elvtr. & Warehouse Co.

Munden, Kan.—I am not agt. for E. A. Fulcomer but now own and operate the elvtr. myself. I have repaired it by tearing out all the old wooden bottoms in the bins and dump and making everything solid cement below the foundation. All new machinery has also been installed.—J. W. Kelly.

Brookville, Kan.—We now have our elvtr. in fine working order, having spent \$1,500 on repairs this season. The capacity of the elvtr. has been increased 1,400 bus., the driveway placed on the outside, new belting and larger dumps installed and the house has been covered with iron.—W. F. Hinerman.

Coffeyville, Kan.—The report that the Hall-Baker Grain Co. will operate the Missouri Pacific Elvtr. here is erroneous as we have operated the plant for the past 2 years and expect to continue to do so. It has a handling capacity of 20 cars daily and a storage capacity of 175,000 bus.—A. E. Wilson, general mgr. Wilson Elvtr. Co.

Medicine Lodge, Kan.—Fire of unknown origin Aug. 22 destroyed the elvtr. of H. W. Skinner, containing about 4,000 bus. of wheat, corn, barley and kafir corn. The lumber sheds and office were saved; The elvtr. and machinery will be practically a total loss as little insurance was carried. Mr. Skinner will start the erection of a new house at once and for the present will use the elvtr. of J. D. Infield to carry on his grain business.

Topeka, Kan.—The state grain dept. collected \$5,275.93 in grain inspection fees during July as compared to \$4,506.56 in July, 1914, according to the report of George B. Ross, state grain inspector. During the month 6,415 cars of grain were inspected and 2,260 were weighed. In this city 190 cars were inspected. The towns where inspections were made were: Abilene, Salina, Wichita, Atchison, St. John, Winfield, Coffeyville, Hutchinson, Kingman, Leavenworth, Topeka, Wellington and Kansas City.

Whiting, Kan.—Work on the new 15,000-bu. elvtr. for which the Farmers Elvtr. & Supply Co. recently let contract to A. F. Roberts is progressing rapidly. It has a cement pit, 11 ft. deep, drained by a 6 in. drain, 400 ft. long. Equipment includes a large grain cleaner, automatic hopper scales, a 12-h. p. Fairbanks-Morse Gasoline Engine and the latest improved rope drive. The house is covered with galvanized iron. A 20x28 ft. warehouse and office has been built and coal sheds will be erected soon. Roy Vernon will be mgr. for the remainder of this year.

WICHITA LETTER.

The Kansas Mlg. Co. is remodeling its office.

William Brown, of the Millers Grain Co., who has been ill with typhoid fever for 2 months, has recovered.

Elmer Doyle, of the J. W. Craig Grain Co., who was ill with smallpox, has recovered and is back at the office.

Nothing will be done at present in connection with the proposed 500,000-bu. elvtr. to be erected here.—Jas. H. Sherman, sec'y Board of Trade.

The C. R. I. & P. will not permit shipments of grain or grain products to be loaded for Galveston, Tex., either for local dealers or export, until further notice.

The Terminal Elvtrs. Co., of Kansas City, has brot suit against the Geo. Koch Grain Co., of this city, to recover \$5,600 damages for alleged breach of contract to deliver wheat.

The Clark Burdg Grain Co. has been organized by Clark Burdg, formerly representative for Wallingford Bros. and Frank J. Kramer, who has had charge of the feed dept. of the same firm. The new company has opened an office in the Sedgwick Block.

We have bot the interest of Mr. Tabb in the Powell-Tabb Grain Co. and are continuing the business in the name of L. H. Powell & Co., the same as it was before Mr. Tabb associated himself with us 2 years ago. Our country elvtrs. are operated in connection with our business here.—L. H. Powell, L. H. Powell & Co.

KENTUCKY

Eminence, Ky.—The Eminence Mlg. Co. operating an elvtr., is remodeling its mill and installing new machinery in its plant.

Shelbyville, Ky.—Mr. Davis has bot the interest of F. F. Neel in the Vandyke Elvtr. & Mill, which will now be operated as Stout, Davis & Co.

Louisville, Ky.—We were thinking of putting up a concrete elvtr. here, but we have decided to postpone it until some future time.—W. A. Thomson Co.

Lexington, Ky.—The Co-operative Warehouse Co. has been incorporated by Frank McKee and others for the purpose of constructing warehouses to store grain and other farmers' produce.

Nicholasville, Ky.—The C. T. Ashley Co. has installed new machinery in its plant at an expenditure of over \$1,000. It will clean wheat, rye and oats for seed and prepare damaged grain for feed.

Woodburn, Ky.—Lawrence Hall, aged 12 years, son of Eugene Hall, prop. of an elvtr. and mill here, caught his hand in one of the rollers of the mill while cleaning it. It was so seriously injured that it had to be amputated.

LOUISIANA

Natchitoches, La.—Farmers and business men have formed a company to build and operate an elvtr. here.

Lake Charles, La.—A dust explosion in the elvtr. of the Louisiana Grain & Mlg. Co. Aug. 27 started a fire which caused a slight damage.

New Orleans, La.—Work on the excavation for the new elvtr. of the Dock Board has been started. A marine leg will be one of the features of the elvtr.

New Orleans, La.—John T. Gibbons, grain merchant of this city, will in a short time erect a reinforced concrete elvtr. and feed mill to take care of a vast increase of business. The new elvtr. will be on the site of his present elvtr., on the New Basin Canal between Lafayette and South Robertson sts. It will be the largest privately owned elvtr. in this city and will cost upwards of \$250,000. The building will occupy the whole block. The main part of it will be occupied by the feed mill, being 5 stories high, with the main elvtr. more than 6 stories. The warehouse will be 3 stories high. The present house, a relic of the early sixties, is to be demolished.—B.

MARYLAND

Walkersville, Md.—The Glade Valley Mlg. Co. has bot a manlift for its elevtr.

Baltimore, Md.—J. Carroll Fahey, junior member of John T. Fahey & Co., is reported to be contemplating matrimony.

Baltimore, Md.—The Armour Grain Co., of Chicago, Ill., has opened a branch office in the Chamber of Commerce Bldg. George E. Marcy, pres. of the company, has been admitted to membership in the Chamber of Commerce.

Baltimore, Md.—A new manlift has been purchased for the elvtr. under construction by the Western Maryland Ry. Co. at Port Covington. The railway company is constructing 25 additional tracks, some of these in the elvtr., to take care of the heavy grain shipments expected.

MICHIGAN

Buckley, Mich.—The Buckley Grain Co. has its new elvtr. practically finished.

Chesaning, Mich.—Farmers are forming a co-operative elvtr. company to build an elvtr.

Twining, Mich.—The Twining Elvtr. Co. has purchased a Hall Signaling Grain Distributor.

Bad Axe, Mich.—The Bad Axe Grain Co. will equip the elvtrs. with 2 Hall Special Elevator Legs.

Pinconning, Mich.—The Farmers Elvtr. Co. has decreased its capital stock from \$30,000 to \$10,000.

New Haven, Mich.—A. J. Bennett has been elected treas. and mgr. of the New Haven Elvtr. Co.

Kings Mills, Mich.—The Kings Mills Elvtr. Co. has been organized with a capital stock of \$2,000.

Gladwin, Mich.—E. A. McGeorge & Son have equipped their elvtr. with 2 Hall Signaling Grain Distributors.

Elkton, Mich.—Joseph Heaton has been retained as mgr. of the Farmers & Gleaners Elvtr. Co. at an increased salary.

Buckley, Mich.—The Mt. Pleasant Grain Co. has installed the machinery in its new elvtr., which is about ready for operation.

Millington, Mich.—The Sioux City Seed & Nursery Co. will equip its new 10,000-bu. elvtr. with a Hall Signaling Grain Distributor.

Elba, Mich.—J. S. Smith has bot the interest of his partner, Smith Ryan, in the Elba Elvtr. Co., and will hereafter operate the elvtr. on his own account.

Alma, Mich.—W. G. Griffin has succeeded E. C. Patton, who recently resigned, as mgr. of the Alma Grain & Lumber Co. Mr. Patton will engage in the produce business.

Climax, Mich.—M. Griffith & Son have let contract for a wooden elvtr. and feed plant to the Burrell Engineering & Construction Co. to replace the elvtr. burned July 4.

Howard City, Mich.—Albert O'Donald has overhauled his elvtr. and installed new machinery. R. W. Moulton has opened one of the largest bean elvtrs. in northern Michigan, equipped with all modern machinery.

Big Rapids, Mich.—The Lewellyn Bean Co. has organized and remodeled the old Armour plant into an up-to-date building. Modern equipment has been installed, including 150 bean pickers. C. L. Lans is mgr. of the company.

Flushing, Mich.—We have installed a large bean and grain cleaner, have raised our elvtr. and increased the capacity. We are also operating the large bean plant of the Hart Mlg. & Power Co. which is one of the most modern in this territory.—Phillip & Darling.

Richmond, Mich.—J. A. Heath, former general mgr. of the insolvent Richmond Elvtr. Co., after battling with cancer which cost him his right leg, has now been ordered to the state sanatorium for tuberculosis. The reorganization of the defunct elvtr. company is doubtful.

Croswell, Mich.—W. H. Quail, formerly pres. and mgr. of the Farmers Poultry & Produce Co., has filed suit against that company, its officers and ex-Sheriff McAulay for \$10,000 damages for defamation of character. About 2 years ago, when Mr. Quail was deposed from the company his accounts were found to be short to the amount of \$3,165. The officers with Attorney George M. Clark and the sheriff came here to effect a settlement. The matter was adjusted by Mr. Quail giving his notes and a mortgage on the Croswell Egg & Produce Co. as collateral. A few weeks ago the elvtr. company started proceedings in the circuit court to foreclose this mortgage and get its money out of it if possible. It is understood that he claims he gave the mortgage and made the

settlement under duress, force, threats, etc. At a recent meeting of the stockholders it was unanimously voted to back up the officers in both suits.

MINNESOTA

Stacy, Minn.—The new elvtr. at this station is almost finished.

Millville, Minn.—Wm. H. Kiley is now agt. for R. E. Jones & Co.

Armstrong, Minn.—Contract has been let for the new elvtr. at this station.

New Ulm, Minn.—The New Ulm Roller Mill Co. is building a 28x56 ft. warehouse.

New London, Minn.—The New London Mlg. Co. has reopened its elvtr. for business.

Faribault, Minn.—The Sheffield-King Mlg. Co. has installed a manlift in its elvtr.

Clearwater, Minn.—W. A. and E. A. Shaw have purchased the elvtr. at this station.

Warren, Minn.—The Spaulding Elvtr. Co. has installed a manlift in its new 60,000-bu. elvtr.

Morgan, Minn.—T. Stephens, of Bristol, S. D., is now mgr. of the Farmers Elvtr. Co.

Brown Valley, Minn.—Wm. Jensen will be mgr. of the newly organized Equity Elvtr. Co.

Royalton, Minn.—The Holden Mlg. Co. has commenced work on a new elvtr. and feed mill.

St. Cloud, Minn.—C. E. Lewis & Co., of Minneapolis, are opening a branch office in this city.

Worthington, Minn.—The Farmers Co-operative Co. has completed its new 30,000-bu. elvtr.

Kanaranzi, Minn.—The Davenport Elvtr. Co. has repaired its elvtr. with Chester Scott as agt.

Weaver, Minn.—R. E. Jones & Co., of Wabasha, have bot the elvtr. of the Western Elvtr. Co.

St. Cloud, Minn.—The Great Northern Flour Mills Co. has purchased a new manlift for its elvtr.

Spicer, Minn.—This station has only one elvtr. now, which is operated by the Cargill Elvtr. Co.—X.

Dennison, Minn.—Mr. Thorson has succeeded Chas. Hoberg as ass't mgr. of the Farmers Elvtr. Co.

La Fayette, Minn.—A tile drain to drain the grounds around the Farmers Elvtr. Co. has been completed.

Fairfax, Minn.—Ed. Stenberg, of New Ulm, is now grain buyer for the Crescent Mlg. Co. at this place.

Litchfield, Minn.—The Farmers Elvtr. Co. has bot the stock and feed grinding machinery of W. C. Nelson.

Pettis sta. (Kasota p. o.), Minn.—The Hubbard & Palmer Co. has rented the elvtr. of the Farmers Elvtr. Co.

New Ulm, Minn.—H. E. Oliver has succeeded John H. Edwards as grain inspector at one of the mills here.

Lakey sta. (Keegan p. o.), Minn.—Matt J. Wadley is now agt. of the recently acquired elvtr. of R. E. Jones & Co.

St. Paul, Minn.—I am now working on plans for a terminal elvtr. for the Equity Co-operative Elvtr. Co.—Max Toltz.

Winona, Minn.—The Bay State Mlg. Co. has purchased a manlift for Elvtr. "B" which has recently been completed.

Slayton, Minn.—B. P. St. John has bot the elvtr. of C. L. Todd and will wreck it preparatory to building a new house.

Marshall, Minn.—The Atlas Elvtr. Co. has practically completed its new elvtr. Mr. Christianson is the agt. in charge.

Crookston, Minn.—The recently incorporated Cronin Elvtr. Co. has bot the elvtr. of the Farmers Elvtr. Co. on the N. P.

Goodridge, Minn.—The Tessum Seed, Grain & Supply Co., of Thief River Falls, will build an elvtr. here at an early date.

Red Lake Falls, Minn.—The Red Lake County Grain Co. is building a 25,000-bu. elvtr. C. E. Bird & Co. have the contract.

Good Thunder, Minn.—A. Moury, of Wattertown, S. D., has succeeded H. H. Thiede as mgr. of the Farmers Elvtr. Co. here.

St. James, Minn.—W. W. Paton, of Milford, Ia., who was negotiating for my elvtr., has decided not to buy it.—C. J. Imholt.

Carthage Jct. (East Grand Forks p. o.), Minn.—Anton Anderson is now agt. of the newly constructed elvtr. of the Monarch Elvtr. Co.

Montgomery, Minn.—The Commander Mill Co., operating an elvtr. and 2 mills here, will increase its mill capacity to 2,500 bbls.

Clarks Grove, Minn.—Jack Fitzgerald is now agt. of the elvtr. which the Speltz Grain & Coal Co. took over from the Western Elvtr. Co.

Brandon, Minn.—The Brandon Grain Co. is putting a concrete foundation under its elvtr. The house will be closed until the work is finished.

Faribault, Minn.—The Sheffield Mlg. Co., operating the Central Elvtr., is planning the erection of two 60,000-bu. concrete or steel storage tanks.

Winthrop, Minn.—I have resigned as agt. of the Great Western Grain Co., and Mr. Inphoper, of New Ulm, is my successor.—Carl Hagg, Wanda.

Guckeen, Minn.—The Independent Grain & Lumber Co. is remodeling its elvtrs. here and at Welcome. The Newell Const. Co. has the contract.

Milan, Minn.—The elvtr. of the Monarch Elvtr. Co. is now open with H. P. Hanson in charge. Ole Aamot is agt. of the Pacific Elvtr. Co.

Vesta, Minn.—Bingham Bros. have been making repairs on their elvtr., installing a new engine, elvtr. leg, cups and other repairs.—Agt. Bingham Bros.

Fairmont, Minn.—L. J. Frase, formerly with the Rippe Grain & Mlg. Co., has bot the elvtr. which G. F. Hine took over from the Western Elvtr. Co. in July.

Zumbro Falls, Minn.—The Hunting Elvtr. Co., of Minneapolis, has bot the elvtr. of the Western Elvtr. Co. B. R. Theisen will be retained as buyer.

Webster, Minn.—The new elvtr. for which the Farmers Elvtr. Co. recently let contract, will have a capacity of 20,000 bus. and will be located on the Mil. P. R.

Eyota, Minn.—I have leased the grain and produce warehouses of C. P. Russell & Son at this station and will handle grain, seeds, flour and feed.—H. H. Thiede.

Sanborn, Minn.—I am now with the Farmers Co-operative Elvtr. Co. at this place.—H. F. Peters, formerly mgr. Farmers Co-operative Elvtr. Co., Lester Prairie.

Ashcreek, Minn.—I have decided not to take a position with the Fostoria Grain Co., of Fostoria, Ia., but will remain with this company.—A. N. Moore, Farmers Elvtr. Co.

Moorhead, Minn.—L. P. Wood, an employee for several years, has succeeded C. A. Fitch as mgr. of the Baldwin Elvtr. Co. Mr. Fitch has purchased an elvtr. at Sutton, N. D.

Cannon Falls, Minn.—The Cannon Valley Mlg. Co. has completed the building of 6 concrete tanks and 2 interspaces of 40,000 bus. capacity. C. E. Bird & Co. had the contract.

Duluth, Minn.—The Atwood-Stone Co. may build an elvtr. The Itasca Elvtr. Co., of Superior, Wis., has bot the Minnesota and Commander Mill property from the American Mlg. Co.

Jasper, Minn.—The elvtr. of E. A. Brown burned Aug. 18 with an estimated loss of \$4,000 on the building as there was no grain in it at the time of the fire. It was insured for \$2,000.

Utica, Minn.—The farmers have hired Harry Rasmussen to succeed Will Walker as buyer at their elvtr. I have succeeded Floyd Englehart as agt. of the Cargill Elvtr. Co.—A. W. Cowles.

Wylie, Minn.—The Hanson, Barzen Milling Co. is building a 25,000-bu. elvtr. Equipment includes a 6-h. p. engine, a 6-ton dump and 100-bu. hopper scale. C. E. Bird & Co. have the contract.

Marietta, Minn.—I have bot the elvtr. of the J. B. Waters Grain Co. C. P. Ronald is buying for the Security Elvtr. Co. The Farmers Elvtr. Co. has installed a new corn elvtr. and dump.—C. E. Jenkins.

Shakopee, Minn.—The recently organized Farmers Co-operative Elvtr. Co. has repaired the old Peavey Elvtr. in East Shakopee which it took over from the C., St. P., M. & O. Ry. P. G. Miller, of St. Paul, is mgr.

Wanda, Minn.—I am now buyer at the 25,000-bu. elvtr. of the Wanda Elvtr. Co., which is controlled by the John Miller Co. of Minneapolis. This is situated on the C. & N. W. Ry.—Carl Hagg, formerly at Winthrop.

Litchfield, Minn.—The Independent Co-operative Elvtr. Co. has its new 30,000-bu. elvtr. well under way. It will be equipped with machinery to handle ear corn as well as small grain. Electric motors will be used for power.

Duluth, Minn.—A. M. Woodward, J. Austin Regan and Siebel C. Harris have been admitted to membership in the Board of Trade, and the memberships of Willard I. Ray, W. R. McCarthy and James A. Gould have been withdrawn.

Priam sta. (Raymond p. o.), Minn.—C. J. Berkeland is now back again buying grain for the New London Mlg. Co. after having been out with a crew repairing elvtrs. for the company. The Northwestern Elvtr. Co. has opened its elvtr. with Guy Ward as agt.

Crookston, Minn.—The Crookston Mlg. Co. is putting the finishing touches on its new 75,000-bu. elvtr. which is 105 ft. high. A new manlift has been installed. The employees of the company and their families were given their annual outing recently, 135 being present.

Luverne, Minn.—Henry Schlueter, agt. of the Pacific Elvtr. Co., at Ash Creek for a number of years, has succeeded Emil Harms, who resigned as grain buyer at the elvtr. of John P. Coffey to accept a position at the elvtr. of E. A. Brown at Jasper, which burned the following week.

Starbuck, Minn.—I have given up the lease on the elvtr. of the Farmers Elvtr. Co. and have bot the elvtr. of the Monarch Elvtr. Co. L. T. Hogs is now leasing the farmers' elvtr. with M. P. Eidberg as buyer. Mr. Eidberg has been agt. of the Monarch Elvtr. Co. for several years.—Carl N. Nelson.

Ellendale, Minn.—John Lee, formerly of this city, will have charge of the recently acquired elvtr. of the Speltz Grain & Coal Co. The company has bot the corn crib and power sheller of J. D. Nolan and will move them near the elvtr. The office and engine building have been repaired and the elvtr. is now being overhauled.

MINNEAPOLIS LETTER.

The Van Dusen-Harrington Co. has just completed an extensive addition to its office space.

The Federal Elvtr. Co. has disposed of all its country elvtrs. and is now out of business.—M. G. Co.

The Great Western Grain Co. has bot the line of elvtrs. of the Heising Elvtr. Co. from the St. Anthony & Dakota Elvtr. Co.

Hulburd, Warren & Chandler have closed their branch office in this city, and L. L. Winter, mgr., is now at the headquarters in Chicago, Ill.

The inspection dept. reports 50% more wild oats in wheat than in any other season. Some samples show as heavy as 9 lbs. of wild oats to the bu.

W. J. Doheny is now traveling for the Gould Grain Co.

C. E. Lewis & Co. have added 2 men to their office staff. H. Poehler & Co. have also increased their force in anticipation of the big business due when the crop movement gets in full swing.

Albert Consell, night engineer at the Chamber of Commerce, was found at the bottom of the elvtr. shaft Sept. 4 with four ribs broken. He had been oiling and was struck by a counterweight.

The Russell Miller Mfg. Co. has purchased a Richardson Tailings Separator for its elvtr. The Atlantic Elvtr. Co. and the Geo. C. Bagley Elvtr. Co. have installed Richardson Wheat and Oats Separators in their elvtrs.

The Pillsbury Flour Mills Co. has let contract for 1,250,000 bus. additional storage, consisting of 12 concrete bins, 26 ft. in diameter and 100 ft. high, to the Barnett & Record Co. This will be completed this year and will make the company's total storage capacity 3,750,000 bus. Work on the excavation started Sept. 1.

L. C. Remund, member of the Chamber of Commerce for 20 years, died Sept. 5, after an illness of 3 year's duration. He was with Woodward & Co. at one time afterward was one of the organizers of the Freemire-Remund Co. He organized the Gilfillan-Remund Co. later and was a member of that company until 2½ years ago.

MISSOURI

Eldon, Mo.—The Rock Island Elvtr. Co. has its new elvtr. in operation.

Seneca, Mo.—The Seneca Mfg. & Elvtr. Co. is installing a new wagon dump.

Truesdale, Mo.—I am installing a Beall Cleaner in my elvtr.—A. E. Klingenberg.

Metz, Mo.—The Peoples Elvtr. Co. has its new elvtr. practically ready for operation.

Jasper, Mo.—The Farmers Co-operative Elvtr. Co. has installed an oil engine in its elvtr.

Glasgow, Mo.—The Glasgow Mfg. Co. is building a 125-ft. brick and concrete smoke stack north of its engine room.

Pendleton, Mo.—I have purchased a grain loader, which I will use at this station.—A. E. Klingenberg, Truesdale.

Kansas City, Mo.—The Croysdale Grain Co. was 41 years old Sept. 1, having been established by W. E. Croysdale in 1874.

Oran, Mo.—The Scott County Mfg. Co. has let contract for a new concrete elvtr. and driveway to the Burrell Engineering & Construction Co.

Wellington, Mo.—Wellington Elvtr. Co. incorporated; capital stock, \$10,000; incorporators, Henry Schoeppenhorst, Henry E. Meese and S. Kordes.

Foster, Mo.—W. W. Cannon, of Butler, has completed his new 10,000-bu. elvtrs. at this station and Pasaic as well as his new warehouse at Nyhart sta. (Butler p. o.).

Kansas City, Mo.—Orrin V. Hayward has been admitted to membership in the Board of Trade on transfer of membership, standing in name of H. D. Hayward, deceased.—E. D. Bigelow, sec'y.

The following have applied for membership in the Missouri Grain Dealers Ass'n: Longan & Sewall, Houstonia, Mo., Hawk Point Elvtr. Co., Hawk Point, Mo., John Cramer, Sandy Hook, Mo., Elder & Duvall, Lowry City, Mo. and R. L. Wehmier, Tip-ton, Mo.—J. A. Gunnell, sec'y, Mexico.

La Due, Mo.—Our new 12,000-bu. elvtr. is nearly completed. It is situated on the M. K. & T. Ry. Equipment includes a 600-bu. cleaner, a 500-bu. sheller and a 25-h. p. oil and gasoline engine. The house is 22x28x30 ft. with a 26 ft. cupola and has a loading capacity of 1,200 bus. per hour.—Otto Volkman, pres. La Due Grain & Supply Co.

Renick, Mo.—Z. T. Chilton, H. D. Wilcox and Frank McAfee, of Moberly, have bot the elvtr. of C. E. Finley, of Salem, Ill.

St. Joseph, Mo.—A new grain exchange has been formed here with a trading hall in the Corby-Forsee Bldg. J. W. Carver is pres., F. P. Warrick, vice-pres., J. L. Frederick, treas. and J. M. Flynn, sec'y.

Mayview, Mo.—Our new 35,000-bu. studded elvtr. is about completed. Equipment includes a 1,600-bu. Howe Hopper Scale, a 700-bu. corn sheller, a 700-bu. cleaner and a manlift. Power will be supplied by a 20-h. p. Fairbanks-Morse Engine situated in a concrete power house.

—Hugo A. Brueggemann, local mgr. Eagle Mill & Elvtr. Co.

Avilla, Mo.—The recently incorporated Farmers Elvtr. Co. has let contract for its new elvtr. on the White River Ry., 4 miles southwest of this station, which will be completed early in October. A 6-ton Fairbanks Wagon Scale, Fairbanks-Morse Engine and a 300-bu. Fairbanks-Morse Hopper Scale will be installed. The grading for the track has been completed.

Butler, Mo.—W. W. Cannon has completed the improvements on his elvtr., which now has a storage capacity of 31,000 bus. and a handling capacity of about 2,500 bus. per hour. Three new 7,000-bu. grain bins have been constructed over the driveway provided with automatic dumps. New shellers and cleaners, including a large Western Cleaner, have been installed and another leg has been added. Coal bins have been erected in connection with the elvtr.

The Missouri Grain Dealers Ass'n will have passed thru its first year of existence as a state organization on Sept. 22. During this time we have grown from a small number of members until now we have a membership of over 300, which practically passes us from the experimental stage to a reality. We have secured the recognition of the Legislature, the Interstate Commerce Commission, the Public Service Commission, the railroads and the terminal markets.—J. A. Gunnell, sec'y, Mexico.

St. Joseph, Mo.—Preliminary work is under way on the construction of a steel addition to the new elvtr. of Swift & Co., which is nearing completion, adjacent to the Union Terminal tracks. The annex, adjoining the building proper, on the south, is known as the drier house. It will be 60 ft. high and 30 ft. square, and will cost approximately \$10,000. Here all the grain will be thoroly dried before it is stored in the elvtr. and prior to loading for shipment. The 18 steel reinforced concrete tanks of 30,000 bus. capacity each, which comprise the elvtr., have been finished and work is being pushed rapidly on the working house. When completed it will be the largest elvtr. in this city. Chas. A. Cole, an elvtr. expert, will superintend it.

A conference was held in St. Louis Aug. 31, attended by C. A. Morton, chairman of our traffic buro, representatives of the claims depts. of practically all the railroads of this state, and myself, at which time the different details of the Oklahoma plan were fully discussed. In Oklahoma the railroads have established scale testing depts. Since investigating the Oklahoma plan, I believe it would be of benefit to the shippers of Missouri should the railroads adopt this plan for the state. I would like to receive a personal letter from every dealer in the state, whether a member of the Ass'n or not in regard to this proposition. The railroads having the facilities for the transportation of the necessary equipments for scale testing can do this work much cheaper than it can be done otherwise.—J. A. Gunnell, sec'y Missouri G. D. A., Mexico.

ST. LOUIS LETTER.

Members of the Merchants Exchange raised \$1,400 in one week for the relief of the flood sufferers along the Meramec River.

James Henry Allen, pres. of the Allen-West Commission Co. and member of the Merchants' Exchange, died Aug. 29. He was 71 years of age.

The directors' room of the Merchants Exchange has been thoroly renovated and fitted with new mahogany furniture. A magnificent 6-ft. clock has been installed.

Franz Sartison, of Lebanon, and Herman Killy, of Waterloo, have been laid off from their work in the Illinois Grain Inspection Buro in the Merchants Exchange Bldg. here.

The residence of Frank P. McClellan, of the J. S. McClellan & Son Grain Co., at Ferguson, burned Sept. 5. Mr. McClellan and his family escaped by means of an improvised rope.

Homer K. Dean, of Ava, Ill., and H. C. Coleman have been admitted to membership in the Merchants' Exchange. The following have applied for membership: Stuart Logan on transfer from John C. Lonsdale; Arthur M. Lutz on transfer from Edwin Gloor; Henry J. Fehr on transfer from Jas. B. Hibbard; C. M. Rich on transfer from B. F. Schwartz; Jas. F. Quinlivan on transfer from Henry Hug and C. H. Koenigsmark, of Waterloo, Ill., on transfer from Ward B. Chittenden.

A conference was held Aug. 26 at the Merchants Exchange between James T. Bradshaw, state warehouse commissioner; M. C. Fears, chief deputy of the commissioner's office at Kansas City, and J. J. Gilmartin, chief deputy in this city, and a com'te of the Merchants Exchange, composed of Thomas B. Teasdale, Henry C. Schutz, Edward L. Andrews, George C. Martin and John L. Messmore. State Commissioner Bradshaw officially informed the com'te that his force located in this city would on Sept. 1 begin the sampling of all grain arriving in this city, and would furnish samples to the members of the Exchange. Official samples are now furnished to the grain dealers of Kansas City and St. Joseph, and the commissioner stated that he saw no reason why St. Louis should be exempted in this respect. The fee is 15c per car, and the samples would be furnished whether the fee is paid or not. Members of the Merchants Exchange have accepted the proposition and in the future a charge of 65c per car will be made for inspection instead of 50c. Bradshaw's office will co-operate with Barron & Wilson, who have represented the exchange for 20 years.

MONTANA

Plevna, Mont.—Karl Hepperle has his new elvtr. completed.

Cartersville, Mont.—The elvtr. at this station is being razed.

Poplar, Mont.—W. H. Bain has taken over the elvtr. of Lindgren & Co.

Hysham, Mont.—We will build an elvtr. here at once.—Ladd & Nelson, Forsyth.

Geraldine, Mont.—The McCaull-Webster Elvtr. Co. has its new elvtr. in operation.

Ronan, Mont.—Stanley Scarce has completed new grain bins and installed a loader.

McElvy, Mont.—The Farmers Elvtr. Co. has been organized with Francis J. Murry as pres.

Square Butte, Mont.—The Farmers Elvtr. Co. has its new 30,000-bu. elvtr. completed.

Hinsdale, Mont.—The Hinsdale Mercantile Co. will open its new 20,000-bu. elvtr. for business.

Mondak, Mont.—The farmers and business men have purchased the elvtr. of A. P. Rounce.

Westmore, Mont.—The Columbia Elvtr. Co. and the Farmers Equity Elvtr. Co. are building elvtrs.

Winifred, Mont.—A farmers equity company is being formed which will build an elvtr. next year.

Reserve, Mont.—The Victoria Elvtr. Co. is building a 20,000-bu. annex to its present equipment. C. E. Bird & Co. have the contract.

Cascade, Mont.—John C. Thompson has been engaged as grain buyer for the Cascade Mlg. & Elvtr. Co.

Musselshell, Mont.—The Handel Elvtr. Co. has installed an automatic scale in its new 25,000-bu. elvtr.

Forsyth, Mont.—We have bot the elvtr. of the C. H. Chace Lumber Co. at this station.—Ladd & Nelson.

Ollie, Mont.—The Westmore Farmers Equity Elvtr. Co., of Westmore, has let contract for an elvtr. at this place.

Vananda, Mont.—Byron Cates will have charge of the new elvtr. of the Roundup Elvtr. Co. which will be ready soon.

Cascade, Mont.—The Cascade Co-operative Equity Ass'n has completed its elvtr. and placed A. H. Stormo, of Watertown, S. D., in charge.

Hingham, Mont.—William Nott, of Ross, N. D., will be mgr. of the new elvtr. of the Farmers Elvtr. Co. M. E. Hanson is acting as temporary mgr.

Hilger, Mont.—A. T. Rohlf is mgr. of the Equity Elvtr. Co.'s newly acquired elvtr.—P. F. Brown, resident mgr. Quinn-Shepherdson Co., Lewistown.

Dixon, Mont.—The Farmers Elvtr. Co. has completed its up-to-date elvtr. which is equipped with a feed mill, dump scale and other handling equipment.

Helena, Mont.—The Grain Grading Commission of Montana met here Aug. 21 and established grades for all kinds of grain grown or handled in the state.

Savage, Mont.—The Farmers Co-operative Ass'n has been incorporated with a paid up capital stock of \$10,000. A. B. Anderson is mgr. of its new 40,000-bu. elvtr.

Baker, Mont.—The Rolfe Mlg. Co. has been organized with a capital stock of \$75,000 to operate a 150-bbl. mill and a 50,000-bu. elvtr. A feed warehouse will also be built.

Harlem, Mont.—A farmers elvtr. company is being organized and will undoubtedly build an elvtr. A 25-bbl. grist mill has just been erected here.—M. L. Johnson, mgr. Milk River Elvtr. Co.

Stevensville, Mont.—The Missoula Mercantile Co. is building a 20,000-bu. elvtr. The house will be 32x40 ft. and will be equipped with modern machinery. The company will build a chain of elvtrs.

Fort Shaw, Mont.—The Rocky Mountain Elvtr. Co. is building a 25,000-bu. iron clad elvtr. The equipment includes an 8-h. p. Fairbanks Engine and a 6-ton Dump Scale and Hopper Scale. C. E. Bird & Co have the contract.

Bainville, Mont.—We are building a new 500-bbl. mill and a 60,000-bu. elvtr. George W. Eckart will be mgr. C. W. Jennison, of Williston, N. D., has purchased the elvtr. of the Montana & Dakota Grain Co.—Williston Mlg. Co., Williston, N. D.

Joplin, Mont.—The recently incorporated Equity Co-operative Elvtr. & General Trading Co. has built a 16x48 ft. warehouse with a capacity of 6,000 bus. and is using a portable track loader until an elvtr. is constructed.—J. H. Wilson, mgr.

Roundup, Mont.—The Farmers Elvtr. Co. has let contract for a 30,000-bu. elvtr. which will cost \$7,680. Work has been started and the house will be finished in 30 days. It will be operated by a gasoline engine. J. McBride is pres. of the company.

Menard, Mont.—The Bozeman Mlg. Co., of Bozeman, is building 30,000-bu. elvtrs. at this station, Arcola sta. (no p. o.), and Spring Hill sta. (Belgrade p. o.). The houses will be wooden and will be equipped with the latest grain handling machinery.

Belt, Mont.—The Equity Co-operative Ass'n will start work Sept. 12 on its new 25,000-bu. elvtr. for which it recently let contract and will have it completed Oct. 12. It will be located on the Great Nor. Ry., and will be managed by Ralph B. Ellis.—S. L. Crane, sec'y.

Hauck sta. (Hopson p. o.), Mont.—The Rocky Mountain Elvtr. Co. is building a 20,000-bu. iron clad elvtr. Equipment includes an 8-h. p. Fairbanks Engine, dump and Hopper Scale. This company is building the same size house at Reibeling. C. E. Bird & Co. have the contracts.

St. Ignatius, Mont.—The Reservation Farmers Grain Co. has been incorporated with a capital stock of \$50,000 to handle grain from Ravalli and Dixon on the Northern Pacific and probably from Polson, tributary to the Great Northern. The company, from present indications, will ship about 150 cars, mostly wheat, of this year's crop.—J. D. Bratton, Ronan.

Red Lodge, Mont.—Fire which started in the superstructure of the Hawkeye Elvtr., owned by local business men, caused a damage of several hundred dollars. The roof was burned off and the side walls greatly damaged. The machinery was only slightly impaired. A farmers co-operative company has been contemplating buying the house for some time.

NEBRASKA

Foster, Neb.—The Farmers Elvtr. Co. has its elvtr. ready for business.

Brainard, Neb.—The Farmers Elvtr. Co. has its new 40,000-bu. elvtr. in operation.

Clinton, Neb.—Chas. Hagel, of Rushville, is now agt. of the Nye Schneider Fowler Co.

Rockville, Neb.—E. G. Taylor, of Loup City, has bot the elvtr. of the Geo. Woten Grain Co.

Murray, Neb.—Albert Wheeler has succeeded Wm. Gray as mgr. of the Farmers Elvtr. Co.

Duncan, Neb.—Work is progressing on the new 22,000-bu. elvtr. of the Farmers Elvtr. Co.

Blue Springs, Neb.—We have purchased an elvtr. at this place.—Black Bros., Beatrice.

Hartington, Neb.—I am mgr. of the elvtr. of the Lance Jones Grain Co.—F. B. Thomann.

Lexington, Neb.—The Lexington Mill & Elvtr. Co. has installed a manlift in its new elvtr.

Thayer, Neb.—M. King, formerly agt. of the Updike Grain Co., has removed to York.—P. M.

Loomis, Neb.—The Bodman-McConaughy Grain Co. is installing new scales and making repairs on its 2 elvtrs.

Wynot, Neb.—The Farmers Grain & L. S. Co. has been obliged to close its elvtr. on account of financial troubles.

Marion, Neb.—E. M. Parker, of Danbury, is pres. of the Marion Equity Exchange.—T. F. Gockley, sec'y-treas.

Petersburg, Neb.—The Crowell Lumber & Grain Co. has opened its recently acquired elvtr. with E. Schnell in charge.

Gibbon, Neb.—The farmers will form a company and buy one of the elvtrs.—R. A. Larimer, mgr. Farmers Grain Co., Buda.

Magnet, Neb.—The L. Jones Grain Co. has repaired the elvtr. it recently took over from the defunct P. B. Mann-Anchor Co.

Colton, Neb.—Albert Fenske, of Lodge Pole, will have charge of the elvtr. which the Trans-Mississippi Grain Co. is building.

Beaver City, Neb.—The Equity Union Exchange bot the elvtr. of the Farmers Business Ass'n at the recent receiver's sale.

Bladen, Neb.—Bert E. Williams, of Burwell, is now mgr. of the Farmers Co-operative Grain & Supply Co., succeeding J. B. Fernow.

Lincoln, Neb.—L. W. Frost, who represented the Lonsdale Grain Co. here up to a short time ago, died recently at New Prague, Minn.

Maywood, Neb.—We have repaired our elvtr., putting in cement floors and residing. W. A. Chamberlain is pres.—Maywood Elvtr. Co.

Columbus, Neb.—Paul Jaeggi, of the Elvtr. Roller Mills, caught his right arm in the machinery at the plant, but escaped without serious injury.

Omaha, Neb.—A. H. Bewsher, of the Bewsher Co., has recovered from the injury received at the grain men's annual outing several weeks ago.

Central City, Nebr.—Ed. E. Smith has succeeded S. E. Cogswell, who recently resigned as mgr. of the Merrick County Farmers Co-operative Ass'n.

Union, Neb.—Farmers Co-operative Elvtr. Co. incorporated; capital stock, \$5,225; incorporators, L. G. Todd, pres.; F. W. Young, sec'y and others.

Beatrice, Neb.—We expect to install a power shovel for unloading at our plant here. We did not buy an elvtr. at Burlington as was reported.—Black Bros.

Winside, Neb.—Ed Cullen is agt. of the Crowell Lumber & Grain Co., succeeding C. C. Sutton, who has been transferred to Randolph.—H. Fitz Simmons, Carroll.

Kinney, Neb.—Wm. B. Knouse, formerly of Beatrice, died recently, aged 61 years. He had been in the grain business here with his son, but retired on account of illness.

Oakland, Neb.—We bot the elvtr. of the Farmers Grain & L. S. Co. and commenced business Aug. 18. We have retained E. V. Anderson as mgr.—Farmers Co-operative Union.

Randolph, Neb.—C. C. Sutton has been transferred from the elvtr. of the Crowell Lumber & Grain Co. at Winside to the company's elvtr. here.—H. Fitz Simmons, Carroll.

Diller, Neb.—Repairs and improvements have been made in the elvtr. of the Central Granaries Co. I succeeded E. Wrigley as agt.—E. L. Light, formerly at Shelton.

Hastings, Neb.—The Chamber of Commerce contemplates building a wheat palace, the interior to be entirely made of that grain, in connection with the fall festival.

Crofton, Neb.—Joe McEwing has bot the elvtr. of Mr. Philson. Chas. Gleysteen has leased the elvtr. of the McCaull-Webster Elvtr. Co. M. E. Tucker will be ass't mgr.

Omaha, Neb.—We have an office in this city in the Brandeis Bldg. from which we take care of our terminal elvtrs. and commission business.—Van Wickle Grain & Lumber Co., York.

Dalton, Neb.—The Dalton Co-operative Ass'n has leased the elvtr. of the Van Wickle Grain & Lumber Co. which it will use for the storage of oats in connection with its own elvtr.

Wyoming, Neb.—Carl West, while working in the elvtr. of D. C. West, had his left hand badly bruised when it was caught in the machinery. He will be unable to use it for several weeks.

Buda, Neb.—We have installed an automatic scale in our recently acquired elvtr. and have built coal sheds. We will handle coal and lumber in connection with our grain business.—R. A. Larimer, mgr. Farmers Grain Co.

Loomis, Neb.—We have completed the repairs on our elvtr., consisting of new pulleys, sprockets, chains and belts and have installed a 30,000-bu. hopper scale and a new cleaner.—J. E. Bailey, mgr. Farmers Co-operative Co.

Holdrege, Neb.—The large elvtr. and transfer house of the Central Granaries Co. was destroyed by fire of unknown origin Aug. 29. The loss, which is about \$35,000, as well as 15,000 bus. of corn were stored in it at the time, is fully covered by insurance. The company will rebuild at once.

Carroll, Neb.—The Farmers Union Co-operative Ass'n has repaired its wagon scales by putting in all new timbers, and is now building a new 16x24 ft. office and a feed, flour and machinery warehouse with 10 ft. posts, on land formerly owned by the Saunders-Westrand Co.—H. Fitz Simmons.

Auburn, Neb.—Miss Lettie Higgins has begun suit against L. L. Croyell to recover \$975.60. She says that in July and August, 1914, she stored in the defendant's elvtr. 1,294:48 bus. of wheat and that on March 8, 1915, there was an agreement of sale and purchase when the price reached \$1.50, and that the price subsequently advanced to \$1.50 and it was the duty of the defendant to sell this wheat, which he neglected to do.

York, Neb.—The J. F. Grosshans Grain & Lumber Co., composed of John and F. F. Grosshans, of Sutton, has taken over the business and plants of our company here, and at Spring Ranch and Deweese. We still maintain an office in the First National Bank Bldg. from which we operate our 10 country elvtrs. and lumber stations. The object in selling these plants was to take out the retail lumber business and devote our energies to the grain business.—Van Wickle Grain & Lumber Co.

NEVADA

Fallon, Nev.—The Farmers Union Co-operative Ass'n has been incorporated with a capital stock of \$10,000 by G. W. Lat-tier, W. A. Larson and others to buy, sell and ship grain, coal, hay and other products.

NEW ENGLAND

Pittsfield, Me.—The Eastern Grain Co. has purchased additional land near its property.

Bedford, Mass.—The Middlesex Coal & Grain Co. has been incorporated with a capital stock of \$25,000. H. W. Brown is pres.

Charlotte, Vt.—Lewis N. Kellogg, grain dealer, has filed a petition in bankruptcy with liabilities of \$10,412.06 and assets of \$9,175.

Collinsville, Conn.—R. Beauchamp was sentenced to 30 days in jail for stealing \$23 from the cash drawer of the Collinsville Grain Co.

Marlboro, Mass.—Frank Gauvin has sold his grain and feed business to the City Grain Co., which is a branch of the Cutler Co. of North Wilbraham.

Worcester, Mass.—E. A. Cowee Co. incorporated; capital stock, \$50,000; incorporators, Howard W. Cowee, pres. and treas., H. L. and S. L. Cowee.

New Britain, Conn.—The Stanley Svea Grain & Coal Co. has purchased railroad frontage adjoining its present property on which it will build at a future date.

Greensboro, Vt.—The Greensboro Mills Co. has been incorporated with a capital stock of \$30,000 to operate elvtrs. and do a general grain, lumber and cement business.

Boston, Mass.—Staples & Bell incorporated to deal in grain, fuel and hay; capital stock, \$101,200; incorporators, John W. Bell, Harry O. Staples and Frederick E. Mackenzie.

Enosburg Falls, Vt.—Work on the new 35,000-bu. elvtr. under construction for L. L. Marsh is progressing. The foundation and piers have been completed and a side track is now being laid.

Augusta, Me.—Fuller-Holway Co. operate the only elvtr. here, which is an electric elvtr. and grinds all kinds of grain. The Farmers Union Grain & Supply Co. is located at Waterville and has not built an elvtr. at this station.—X.

Rockland, Me.—The Western Grain Co. incorporated to buy, sell, import and deal in grain, feed and flour; capital stock, \$10,000; incorporators, G. H. Talbot, of Camden; G. B. Butler, of South Thomaston, and G. H. Blethen, of this city.

NEW JERSEY

New Market, N. J.—Harry R. Hall has purchased the grain and coal property of the defunct New Market Roller Mills Co. for \$3,700. Arthur J. Hamley has taken over the mill.

NEW MEXICO

Albuquerque, N. M.—An elvtr. will probably be built to take care of the immense grain crop.

Las Vegas, N. M.—J. J. Fuss has installed a Richardson Wheat and Oats Separator in his elvtr.

NEW YORK

Rochester, N. Y.—The Moseley & Motley Mfg. Co., operating an elvtr. here, has installed new machinery in its plant.

New York, N. Y.—Henry L. Saam, of Fagg & Taylor, and Franklin L. Lewi have applied for membership in the Produce Exchange.

New York, N. Y.—John William Ahles, grain dealer and member of the Produce Exchange, died at Bayside, L. I., Aug. 19. He was 67 years of age.

Elmira, N. Y.—Chase-Hibbard Corporation incorporated to handle grain, cereals and flour; capital stock, \$25,000; incorporators, C. P. Hibbard, L. Henry and A. S. Diven.

Buffalo, N. Y.—E. W. Wagner & Co., of Chicago, Ill., has placed George M. Shultz in charge of the grain office, which they recently took over from the Keusch & Schwartz Co., which has retired from business here.

Buffalo, N. Y.—My associates and myself are figuring on building a concrete elvtr. this winter. A new improved and enlarged method for unloading car grain will be installed in the Marine Elvtr. We are planning on increasing the facilities at another one of our elvtrs.—C. Lee Abell.

Brooklyn, N. Y.—The fire at our hay sheds recently was not a serious loss inasmuch as same was confined to the top floor of our concrete warehouse which adjoins our grain elvtr. at Bushwick Station. This experience has again proven to us the advisability of using concrete buildings for storage purposes in our line. Insurance was carried.—Chas. Schaefer & Son.

NORTH DAKOTA

Lone Tree, N. D.—E. O. Dickinson has bot an elvtr. at this station.

Fryburg, N. D.—A farmers elvtr. for this place is being discussed.

Mandan, N. D.—A new office has been erected by the Farmers Elvtr. Co.

Oriska, N. D.—The Farmers Equity Elvtr. Co. has been organized here.

Roth, N. D.—Carl Ryding, of Rugby, is now mgr. of the Farmers Elvtr. Co.

Strasburg, N. D.—The new elvtr. of the Farmers Elvtr. Co. is almost finished.

Ray, N. D.—The annual Grain Palace Festival was held in this city recently.

Ypsilanti, N. D.—The Farmers Elvtr. Co. has completed the addition to its elvtr.

Stanton, N. D.—A farmers elvtr. company will be formed and an elvtr. built.

Larson, N. D.—N. D. Nelson, of Stanley, has bot the Galagher Independent Elvtr.

Max, N. D.—P. D. Podhola has his new 35,000-bu. elvtr. on the road to completion.

Enderlin, N. D.—Carl Lindemann has bot the small elvtr. of the Farmers Elvtr. Co.

Lansford, N. D.—The Hanson Grain Co. has bot the elvtr. of the Farmers Elvtr. Co.

Crosby, N. D.—A. Benson, of Jamestown, will manage an elvtr. at this station.

Goodrich, N. D.—The Farmers Co-operative Ass'n is building an addition to its elvtr.

Pembina, N. D.—The Amenia Elvtr. Co., of Amenia, has a new elvtr. almost completed.

Litchville, N. D.—J. E. Duncan, of Cas-selton, has bot the elvtr. of the Amenia Elvtr. Co.

Embsden, N. D.—Alec Gilbard has succeeded E. Tausen as mgr. of the Farmers Elvtr. Co.

Carlyle, N. D.—The farmers are forming a company to build an elvtr. on the Nor. Pac.

Sanish sta. (Amanda p. o.), N. D.—The Farmers Elvtr. Co. has started work on its new elvtr.

Forman, N. D.—The Farmers Co-operative Elvtr. Co. is building a new residence for its mgr.

Braddock, N. D.—Work is progressing on the new 40,000-bu. elvtr. of the Farmers Elvtr. Co.

Mapleton, N. D.—The Farmers Elvtr. Co. will install a cleaner in its elvtr.—E. Driscoll, Mgr.

New England, N. D.—The Geo. C. Bagley Elvtr. Co., of Minneapolis, Minn., will build an elvtr.

Hazelton, N. D.—The Occident Elvtr. Co. has completed a new annex to its elvtr. and a flour house.

Grand Rapids, N. D.—The Equity Elvtr. Trading Co. has bot the elvtr. of the Monarch Elvtr. Co.

Kuroki, N. D.—A new engine and cleaner are being installed in the elvtr. of the Farmers Elvtr. Co.

Blaisdell, N. D.—Hunter Wagner has taken charge of the new elvtr. of the Minot Flour Mill Co.

Velva, N. D.—R. R. Feige has been retained as mgr. of the Farmers Elvtr. Co. for the ensuing year.

Brinsmade, N. D.—E. Beissbarth has purchased a Richardson Wheat and Oats Separator for his elvtr.

Fero sta. (Rugby p. o.), N. D.—The Farmers Elvtr. Co. has installed a new leg and cleaner in its elvtr.

Portland Jctn. (Mayville p. o.), N. D.—N. C. Norgaard is now mgr. of the Farmers Elvtr. Co. of Hatton.

Sheyenne, N. D.—The Monarch Elvtr. Co. has built a new engine house and made improvements in its elvtr.

Leeds, N. D.—The Farmers Co-operative Elvtr. Co. is rebuilding its elvtr. which burned a few months ago.

Portal, N. D.—The Standard Grain Co., of Minneapolis, Minn., has bot the elvtr. of the Farmers Elvtr. Co.

Linton, N. D.—The recently organized Farmers Elvtr. Co. has purchased the elvtr. of the Reliance Elvtr. Co.

Dickinson, N. D.—The Dickinson Roller Mill Co. will hereafter operate its elvtr. by electricity in place of steam.

Eckelson, N. D.—I am no longer agt. of the Cargill Elvtr. Co. here and have removed to Sanborn.—Geo. Hayes.

Logan, N. D.—The Minnekota Elvtr. Co. has completed a new 30,000-bu. elvtr. and J. I. Brady has been placed in charge.

Charbonneau, N. D.—The Russell Miller Mfg. Co., of Minneapolis, Minn., has secured a site and will build a large elvtr.

Dickinson, N. D.—Hugh McGillivray has purchased the elvtr. of M. Booky and is operating as the McGillivray Elvtr. Co.

Brocket, N. D.—I have resigned as agt. of the National Elvtr. Co.—F. R. Lynch, mgr. Farmers Union Elvtr. Co., Robinson.

Colgate, N. D.—Ed P. Artis, formerly agt. of the St. Anthony & Dakota Elvtr. Co., is now mgr. of the Farmers Elvtr. Co.

Tolna, N. D.—H. B. Highum has bot the elvtr. of the John D. Gruber Co. P. A. Highum, his brother, is interested with him.

Parkhurst sta. (Jamestown p. o.), N. D.—H. P. Crandall is now agt. of the North Star Grain Co.—S. F. Northrup, formerly agt.

Towner, N. D.—A. R. Uecker has been transferred from the elvtr. of the National Elvtr. Co. at Wheatville sta. (Ada p. o.), Minn., to the company's elvtr. here. He was married July 15 to Miss Violet C. Kubery, of Duluth, Minn.

Wilton, N. D.—We have bot the elvtrs. of J. C. Anderson at this place, Regan and Baldwin.—Monarch Elvtr. Co., Minneapolis, Minn.

Belfield, N. D.—I have been re-elected mgr. of the Farmers Elvtr. Co. and my salary has been increased to \$150.—N. J. Steffen.

Ryder, N. D.—The elvtr. of the Independent Elvtr. Co. burned Sept. 2 with a loss of \$9,000. The cause of the fire is unknown.

York, N. D.—I am no longer agt. of the St. Anthony & Dakota Elvtr. Co. at this station and am now at Rugby.—O. H. Greensgard.

Ashley, N. D.—The Farmers Elvtr. Co. has been organized and they operate the 2 Brosz Elvtrs. R. C. Miles will act as grain buyer.

Sentinel Butte, N. D.—John Grimm resigned his position as agt. of the Thorpe Elvtr. Co. and is now mgr. of the Farmers Elvtr. Co.

Kenaston, N. D.—The Kenaston Farmers Co-operative Elvtr. Co. is being organized to take over the elvtr. of the Farmers Elvtr. Co.

Tuttle, N. D.—The Farmers Union has completed the foundation for its new 40,000 bu. elvtr. and has started work on the superstructure.

Burnstad, N. D.—Chas. Hoberg, ass't mgr. of the Farmers Elvtr. Co., at Denison, Minn., is now buyer for the J. J. Doyle Grain Co.

Sherwood, N. D.—I am now agt. for the Cargill Elvtr. Co. here, having been transferred from Bement sta. (Perth p. o.).—Neil Littlejohn.

Hamlet, N. D.—Kneisel Bros. have bot the elvtr. of the National Elvtr. Co. and will buy grain on their own account.—J. E. O'Hara, Minot.

Sutton, N. D.—C. A. Fitch, formerly mgr. of the Baldwin Elvtr. Co. at Moorhead, Minn., has bot the elvtr. of the Amenla Elvtr. Co. here.

McVile, N. D.—P. A. Highum, of Minneapolis, Minn., has purchased the elvtr. of the McVile Grain Co. and will operate it as an independent elvtr.

Colfax, N. D.—The St. Anthony & Dakota Elvtr. Co. has opened its elvtr., which has been closed for some time, with J. Nord, of Walcott, as agt.

Ryder, N. D.—C. A. Aafedt, H. C. Miller and B. A. Dickinson have purchased the elvtr. of the Atlantic Elvtr. Co. and will take immediate possession.

Sherwood, N. D.—I am now with the National Elvtr. Co. at this place.—Thos. M. Mrachek, formerly agt. St. Anthony & Dakota Elvtr. Co., Geneseo.

Myra sta. (Embdn p. o.), N. D.—I. M. Bunn, mgr. of the Farmers Elvtr. Co. at Chaffe for 10 years, has secured the elvtr. of the Crown Elvtr. Co. here.

Pingree, N. D.—The Monarch Elvtr. Co. has opened its elvtr. which has been closed for 2 years, with George Ruud as agt.—S. F. Northrup, Buchanan.

Danzig, N. D.—George Gackle is building a 25,000-bu. iron clad elvtr. equipped with Fairbanks Dump and Wagon Scales. C. E. Bird & Co. have the contract.

Mott, N. D.—S. Stewart, who is building a 60,000-bu. elvtr., mill and power plant, has let contract for the mill machinery to the Strong-Scott Mfg. Co.

Dresden, N. D.—R. Fleming, of Monroe, Wash., is repairing the old elvtr. of J. C. Kerin and will operate it this fall.—L. Lindgren, agt. Cargill Elvtr. Co.

Harmon, N. D.—W. P. Smith, of Browns Valley, Minn., will manage the elvtr. which the Mandan Farmers Elvtr. Co. recently bot from the Occident Elvtr. Co.

Ives, N. D.—The Farmers Equity Union has purchased the elvtr. of the Western Lumber & Grain Co. for \$7,500 and will conduct it in addition to its elvtr. at Rhame.

Merricourt, N. D.—George Gackle is building a 25,000-bu. iron clad elvtr. The equipment includes Fairbanks Dump and Hopper Scales. C. E. Bird & Co. have the contract.

Ray, N. D.—The Occident Elvtr. Co. is building a 40,000-bu. elvtr. Equipment includes a 10-h. p. Fairbanks Oil Engine and a 6-ton Hopper Scale. C. E. Bird & Co. have the contract.

Marion, N. D.—E. Tausen, of Embden, is now mgr. of an elvtr. at this station. Herman Froemke has succeeded Earl Wood, who resigned as mgr. of the Farmers Elvtr. Feed Mill.

Fullerton, N. D.—We have just completed a new approach to our elvtr. We put in 12-in. concrete walls on the sides, filled in with clay and graveled the top.—Fullerton Elvtr. Co.

Berthold, N. D.—Work is progressing on the new 60,000-bu. iron clad elvtr. which the Farmers Elvtr. Co. is erecting at a cost of about \$12,000. It will be operated on a co-operative plan.

Wing, N. D.—The Great Western Grain Co. has completed a 25,000-bu. elvtr. The equipment includes Fairbanks Hopper and Dump Scales and an 8-h. p. engine. C. E. Bird & Co. had the contract.

Roach sta. (Berthold p. o.), N. D.—The Victoria Elvtr. Co. is building a 25,000-bu. elvtr. A Fairbanks Engine, Hopper and Wagon Scales have been installed. C. E. Bird & Co. have the contract.

Barney, N. D.—E. E. Bailey has resigned as mgr. of the Farmers Elvtr. Co. at Mooreton and will now travel for the E. L. Welch Co., of Minneapolis, Minn., with this city as his headquarters.

Silver Leaf, N. D.—Farmers Elvtr. Co. incorporated; capital stock, \$20,000; incorporators, Geo. Hatfield, F. J. Higgs and John E. Skoglund. G. W. Staley, of Ellendale, will be mgr. of the company's elvtr.

Wheelock, N. D.—The Occident Elvtr. Co., of Minneapolis, Minn., is building a 40,000-bu. elvtr. equipped with a 10-h. p. Fairbanks Oil Engine, and a 6-ton Hopper Scale. C. E. Bird & Co. have the contract.

Rolla, N. D.—John Reppeto, of Esmond, will be agt. of the elvtr. which the Great Western Grain Co. recently acquired. It was formerly operated by the Heising Elvtr. Co., but has not been in operation for 7 years. Repairs are now being made.

Columbus, N. D.—The Occident Elvtr. Co. will make improvements in its elvtr. The Farmers Elvtr. Co. is putting a new cleaner, a 15-h. p. engine, manlift, boot and elvtr. leg in its elvtr. We have our elvtr. in fair shape now.—H. C. Johnson, agt. Northland Elvtr. Co.

Dickinson, N. D.—The Farmers Co-operative Union Elvtr. Co. is incorporating with a capital stock of \$25,000 and has applied for a site on the Northern Pacific on which to build the 45,000-bu. elvtr. for which it recently let contract to T. E. Ibberson. John J. Loh is pres. of the company.

Rising sta. (no p. o.), N. D.—The Farmers Co-operative Elvtr. Co. was organized last summer by farmers of this vicinity. A 30,000-bu. up-to-date elvtr. was built, equipped with a 10-h. p. Fairbanks-Morse Engine and Wagon Scale, a Richardson Automatic Scale and a cleaner.—R. E. King, mgr.

Merricourt, N. D.—We now own 2 elvtrs., having bot a 30,000-bu. house. We have installed cleaners in both and expect to handle 400,000 bus. of grain this season. The Powers Elvtr. Co. will operate the W. J. Webb Brick Elvtr. this season.—W. E. Tebbles, mgr. Merricourt Equity Exchange.

Oberon, N. D.—The Equity Elvtr. & Trading Co. is building a 35,000-bu. elvtr. Equipment includes 2 elvtr. legs, a 1,500-bu. Richardson Automatic Scale, a 6-ton dump scale, a Richardson Cleaner and a 20-h. p. engine. D. F. Hoag & Co. have the contract. This will give the company storage for 50,000 bus.

Langdon, N. D.—The Langdon Elvtr. Co. has been organized with a capital stock of \$10,000, by M. C. Campbell, agt. of the Amenla Elvtr. Co., and others. The new company will take over the elvtr. of the Amenla Elvtr. Co.

Robinson, N. D.—The Robinson Union Elvtr. Co. is building a 40,000-bu. elvtr. Equipment includes a 15-h. p. engine, 2 elvtr. legs, cleaner, a 6-ton dump scale, a 1,500-bu. Richardson Automatic Scale. D. F. Hoag & Co. have the contract. F. R. Lynch, formerly agt. of the National Elvtr. Co. at Brocket, will be mgr.

Parshall, N. D.—The 25,000-bu. elvtr. of W. F. Blum, under construction, is almost ready for operation. The Farmers Co-operative Elvtr. will have its new 60,000-bu. elvtr. ready by Sept. 20. The equipment includes a 6-ton dump scale, a 1,500-bu. automatic scale, cleaner, 15-h. p. engine and 2 elvtr. legs. D. F. Hoag & Co. have the contract. Both of these houses are on the Soo.—X.

Thompson, N. D.—Judgment was delivered in favor of the National Elvtr. Co. in the suit brot by G. H. Stavens for \$1,850 for money paid to Holland, one of his tenants. Holland rented the farm a year ago and sold grain to the elvtr. company. Stavens charged that he had no right to sell the grain. Mr. Stavens has also filed suit against the Farmers Elvtr. Co. involving similar facts, which will be tried at the next term of the Grand Forks county circuit court.

Buchanan, N. D.—The elvtr. of the North Star Grain Co. has undergone a thoro overhauling and will receive a new coat of paint in a few days. S. B. Northrup, who has been mgr. at Parkhurst sta. (Jamestown p. o.), and here, for the past 3 years, has resigned and will take a position in the office of the Buchanan Elvtr. Co. L. A. Thorpe succeeds him as mgr. C. A. Nichols is now agt. of the Occident Elvtr. Co.'s second elvtr. which is operated under the name of the Lyon Elvtr. Co.—X.

OHIO

New Knoxville, O.—The Detjen Grain Co. is enlarging its plant.

Ostrander, O.—Ivan Phillian is now working at the Ostrander Elvtr.

Xenia, O.—Charles R. Bales has bot the grain and feed business of Dewey Bros.

Antwerp, O.—The People's Elvtr. Co. is putting in a large power cleaner for seeds.

Columbia, O.—Sears & Decker have practically completed their new 10,000-bu. elvtr.

Toledo, O.—L. L. D. Chapman is an applicant for membership in the Produce Exchange.

Arlington, O.—The Arlington Grain Co. has taken over the North End Elvtr. John Schirmer is mgr.

LaRue, O.—Chas. Bayman has recently remodeled his elvtr. and built a fireproof room for his gasoline engine.

Cincinnati, O.—J. S. Bateman, of Early & Daniel Co., has applied for membership in the Chamber of Commerce.

Dawn, O.—Wm. P. Heigel is building a 60,000-bu. elvtr. The Burrell Engineering & Construction Co. has the contract.

Fairport, O.—The Armour Grain Co., of Chicago, Ill., has leased the Fairport Elvtr. of the B. & O. R. R., effective Sept. 1.

Bellevue, O.—Burglars entered the office of the W. H. Gardner Grain & Mill Co., but only secured \$5 or \$6 for their trouble.

Mansfield, O.—Lyman Witbeck, of the Mansfield Mfg. Co., was married recently to Miss Blanche Carnall at Lockport, N. Y.

Cleveland, O.—The Commercial Flour & Mfg. Co. has leased a site and is building a 5-story brick warehouse at a cost of \$25,000.

Jaysville, O.—A. D. McCool has remodeled his elvtr. and built a new office and general store across the street from the elvtr.—G.

Wooster, O.—An elvtr. will be built on the B. & O. by local business men.

St. Henry, O.—The Western Ohio Grain & Mlg. Co. incorporated; capital stock, \$20,000; incorporators, Jos. J. Moeller, Ben T. Post and others.

Fremont, O.—Plans are being made to organize the Fremont Co-operative Elvtr. Co. to take over elvtrs. at this station, Garrison, Wayne and Erlin.

Flat Rock, O.—The Irving T. Fang-boner Co., has recently made a change of power in its elvtr. replacing its gasoline engine with an electric motor.—G.

Cincinnati, O.—J. W. and Paul Van Leunen have opened a grain office in the Union Central Bldg. They will represent E. W. Wagner & Co., of Chicago, Ill.

Bradford, O.—Arnold & Iddings of this place contemplate wrecking their elvtr. and replacing with a new elvtr. to be operated with electric motors thruout.—G.

Tymochtee, O.—Dellinger, Craun & Walton recently purchased the elvtr. of A. M. Walton. The house will be operated by the Sneath-Cunningham Co., of Tiffin, O.—G.

Cleveland, O.—Grain dealers of this and nearby cities are organizing a grain and hay exchange in connection with the Chamber of Commerce. They have secured about 20 members.

Rosburg, O.—Daniel Burns & Co. have purchased the elvtr. of the Buckland Mlg. Co., and took possession Sept. 1. Mr. Burns was formerly in the grain business at this point and operated this elvtr.—G.

Cleveland, O.—The Lederer Mlg. Co. has purchased the plant and site of a brewing company for \$50,000 and contemplates the construction of an elvtr. installation of milling machinery and other improvements which will cost about \$300,000.

Columbus, O.—Ohio shippers who may be discriminated against by the railroad companies should remember that now they have a possibility of relief thru the Public Utilities Commission of Ohio, the new law effective July 30 conferring upon that body, within the state, practically the same powers as those of the Interstate Commerce Commission, to suspend freight rates, rules and practices.

Marion, O.—The Marion National Mill Co. will replace its plant, which burned July 18, with a 55,000-bu. elvtr. and mill of steel and reinforced concrete construction, which will be completed by Nov. 23 and will be as nearly fireproof as possible. The elvtr. will be 120 ft. high and the grain bins 72 ft. deep. It will have an hourly unloading capacity of 1,000 bus. Work has already been started by the Burrell Engineering & Construction Co., which has the contract.

OKLAHOMA

Lawton, Okla.—I am now agt. of the Chickasha Mlg. Co.—J. E. Gignoux.

Roswell, Okla.—The W. H. Dancer Seed & Grain Co. has entered the grain business.

Durant, Okla.—J. E. Rutherford, of Austin, Tex., is in charge of the elvtr. and mill of the Durant Mlg. Co.

Duke, Okla.—The Cox-Henry Grain Co. will build a large warehouse between its elvtr. and newly completed office.

Retta, Okla.—Our elvtr. has been completed and is now in operation.—M. L. Funk, Welge Grain Co., Blackwell.

Alex, Okla.—The Alex Mill & Elvtr. Co. will build a 5,000-bu. ear corn crib adjoining its elvtr.—J. H. Pruitt, Lindsay.

Oklahoma City, Okla.—W. L. Perkins, Jr., is acting as traveling salesman for his father, who is in the grain business here.

Ramona, Okla.—J. A. Moore has taken charge of the elvtr. of the Binding-Stevens Grain Co. for the remainder of this year.

Goodwell, Okla.—The Liberal Elvtr. Co. has completed its new 15,000-bu. elvtr., which has been placed in charge of Mr. Walker.

Newkirk, Okla.—E. E. Thomas is operating an elvtr. here.—X.

Sapulpa, Okla.—Representatives of eastern companies are looking for a site and report states that they will build a 200,000-bu. elvtr.

Quinlan, Okla.—F. E. Edwards has installed a Midget Flour Mill operated by a 25-h. p. oil engine, in connection with his new elvtr.

Poteau, Okla.—The Poteau Mill & Elvtr. Co. incorporated; capital stock, \$10,000; incorporators, S. W. Anderson, W. W. and Marie Burns.

Prague, Okla.—The Okemah Mill & Elvtr. Co. will start the erection of an elvtr. here as soon as its house at Okemah is completed.

Carbon, Okla.—The Farmers Grain & Coal Co. never operated an elvtr. here and there are no elvtrs. at this station and never have been.—X.

Okemah, Okla.—The R. H. Drennan Grain Co., of Oklahoma City, is planning the erection of a 100,000-bu. elvtr. Work will be started at once.

Paoli, Okla.—The A. R. Johnson Grain & L. S. Co. incorporated; capital stock, \$2,000; incorporators, A. R. and Flora M. Johnson of this city, and others.

Mangum, Okla.—Jackson & Wilson are in the mercantile business. H. E. Oakes is pres. and mgr. of our company.—H. E. Curry, sec'y-treas. Mangum Mlg. Co.

Bartlesville, Okla.—E. J. Clancy, of Little Rock, Ark., has secured a site on which he will build a 10,000-bu. elvtr. and mill. Work will be started within a short time.

Muskogee, Okla.—Flaherty & Crouch, feed dealers, will install a grain mill so that grain can be handled in car load lots and shipped from this station ready for market.

Fairview, Okla.—The Home Builders Protective Ass'n will lease a site and build an elvtr. and warehouse to handle the grain and other merchandise of its members.

Altus, Okla.—Our new elvtr. has a capacity of 10,000 bus. and is located on the Orient Ry. A. W. Hounshell is pres. and I am mgr.—M. G. Hounshell, mgr. Hounshell & Sons.

Gate, Okla.—Gate Valley Grain & Supply Co., incorporated; capital stock, \$6,000; incorporators, B. Zirkle, A. F. Lewis and Roy O. Coppock. The company has taken over an elvtr. here.

Anadarko, Okla.—Ray Green is mgr. of our Oklahoma elvtrs. and will manage them from this city. The elvtr. at this station is being overhauled.—L. H. Powell, L. H. Powell & Co., Wichita, Kan.

Nelson, Okla.—I am unable to locate this station in our official list and know nothing regarding the report that an elvtr. would be erected here.—W. K. Etter, supt. A. T. & S. Fe Ry. Co., Arkansas City, Kan.

Bridgeport, Okla.—The McCafferty-Thorp Elvtr. & Grain Co. has started the erection of a new 10,000-bu. elvtr. which will cost about \$4,500. Equipment includes a corn sheller and a 20-h. p. gas engine. The old house will be wrecked.

Wagoner, Okla.—I have bot the old Gibson Elvtr. and Mill and am installing a 50-bbl. Midget Marvel Mill to be run with a 40 h. p. gas engine. I am also putting in a cleaner, scourer, bleacher and other machinery and will have a complete meal and chop outfit. I intend to buy and ship all kinds of grain and will be ready for business about Sept. 25.—J. A. Orton.

Muskogee, Okla.—The Muskogee Roller Mills Co. was dissolved last February and the mill was operated by W. C. Gilbert under the name of the Muskogee Roller Mill until July 1 when the Muskogee Mill & Grain Co. was incorporated, with Ralph L. Mosier as pres., to manage it. The stock and movable fixtures are now owned by the new company and the mill and property leased for 3 years from John H. Mosier who has owned it for about a year.—M.

Laverne, Okla.—The Ball Manufacturing Co. is building a 60,000-bu. reinforced concrete elvtr. with a 25x30 ft. concrete 2-story store room attached. Everything will be of the latest design and the house will be finished by Sept. 30. C. L. Crabtree is local mgr.—W. T. Nickell, Laverne Custom Mills.

Loveland, Okla.—Our elvtr., which G. G. Black, of Hollister, had been operating under lease, was totally destroyed when struck by lightning Aug. 15. Mr. Black had about 3,500 bus. of wheat in it which we understand was not insured and the salvage was of little value. The house was fully covered by insurance and will be rebuilt at an early date. It was a small country station of about 5,000 bus. capacity.—W. M. Priddy, Wichita Mill & Elvtr. Co., Wichita Falls, Tex.

OREGON

Astoria, Ore.—Plans for the new elvtr. of the Port of Astoria are about complete and work on the house will be rushed to completion.

Portland, Ore.—J. W. Ganong, of the Portland Flouring Mills Co., has been appointed to succeed the late Robert Kennedy as a member of the grain standard com'te of the Chamber of Commerce.

Portland, Ore.—The flour in our warehouse was damaged by smoke which was the only loss we sustained in the recent fire in an adjoining warehouse. This was fully covered by insurance.—Dement Bros. Co.

Metolius, Ore.—The Central Oregon Mlg. Co., of which John Seethoff is sec'y, is building a 40,000-bu. elvtr. and a 200-bbl. mill. The Metolius Warehouse Co. operates a 100,000-bu. warehouse with Ora Van Tassel as mgr. and the Tum-A-Lum Lumber Co. operates a 60,000-bu. warehouse with H. L. Molony as mgr. These are located on the joint tracks of the Oregon Trunk and the O. W. R. & N. Rys.—B.

PENNSYLVANIA

Pittsburgh, Pa.—Robert Guyton, father of J. F. Guyton, died Aug. 28, aged 77 years.

Hanover, Pa.—The Pennsylvania Mlg. Co., which operates an elvtr. here, sustained a loss recently when the roof was torn off its mill and other damage done during a wind storm.

Newtown, Pa.—Willis G. Worstall died recently following a stroke of paralysis. He had been connected with the Newtown Cut Wheat Cereal & Trading Co. and of Worstall Bros., grain dealers, which preceded that company, for several years.

PHILADELPHIA LETTER.

Work has been started on the new 1,000,000-bu. concrete addition to the Girard Point Elvtr., contract for which was recently let to James Stewart & Co. Piling has already been completed.

The Armour Grain Co., of Chicago, Ill., has applied for membership in the Commercial Exchange. A telegraph booth and a private wire have been installed. The company is represented by J. B. Pultz & Co.

Findings of the settlement or discount com'te recently created by the Commercial Exchange are not binding upon all members as erroneously reported and it is not obligatory upon members to avail themselves of its services. The com'te was appointed for the convenience of the grain trade.

SOUTH DAKOTA

Parker, S. D.—P. F. Judge has let contract for the erection of an elvtr.

Colome, S. D.—A farmers elvtr. company is being established to build an elvtr.

Roswell, S. D.—W. Z. Sharp is no longer in business at this place.—A. F. Claigh & Co.

De Smet, S. D.—H. E. Kjenstad, of Brandt, is now grain buyer for E. M. Robinson.

Yahota sta. (Watertown p. o.), S. D.—The McBath Grain & Coal Co. has repaired its elvtr.

Bristol, S. D.—The Sjurson Grain Co. has remodeled its elvtr. and built a new coal shed.

Britton, S. D.—Feller & Kass have taken over the grain and coal business of Feller & Bingham.

Rowena, S. D.—I have sold my elvtr. to the Buchanan Lumber Co.—G. H. Perry, Sioux Falls.

Gallup sta. (Ashton p. o.), S. D.—I am mgr. of the Gallup Farmers Elvtr. Co.—R. D. Twaddle.

Henry, S. D.—Will Cline, formerly mgr. of the Farmers Elvtr. Co. at Chester, is now mgr. here.

Webster, S. D.—A. T. Cooper & W. H. Graves will open their elvtr. with A. C. Holdridge as grain buyer.

Claremont, S. D.—E. E. Evenson, agt. of the Thorpe Elvtr. Co. for 10 years, is now mgr. of an elvtr. at Litchfield, Minn.

Frederick, S. D.—L. B. Geisler, of Geisler & Sheldon, has rented the Crown Elvtr. formerly owned by the Dakota Grain Co.

Frankfort, S. D.—W. W. Brown, of Slayton, Minn., took the position as mgr. of the Frankfort Mill & Elvtr. Co. Sept. 1.

Eureka, S. D.—Eureka Equity Exchange incorporated; capital stock, \$25,000; incorporators, John Hoff, Joseph Mellhoff and others.

Bath, S. D.—C. W. Freeman, of Aberdeen, is mgr., and L. R. Wilber, ass't mgr. of the new elvtr. of the Bath Equity Exchange.

Canova, S. D.—A farmers co-operative company will be established to operate an elvtr. It will probably buy one of the houses here.

Chamberlain, S. D.—Co-operative Grain Co. incorporated; capital stock, \$10,000; incorporators, E. F. Scott, H. J. Lawrence and H. M. Anderson.

Colton, S. D.—The Farmers Elvtr. Co. has installed a new leg, motor, manlift and rope drive. T. B. Martin, mgr., has returned from a vacation.

St. Marys sta. (Howard p. o.), S. D.—The Farmers Elvtr. Co. has been organized by H. W. Fields, O. E. Clark and others and will build an elvtr. at once.

Veblen, S. D.—The Farmers Elvtr. Co. is now operating the elvtr. it recently took over from the National Elvtr. Co. Ole Graans is pres. of the company.

Chester, S. D.—Will Cline has resigned as mgr. of the Farmers Elvtr. Co. and is now mgr. at Henry. Ray Page is now second man at the elvtr. which has been generally overhauled.

Aberdeen, S. D.—Fred S. Timmons will travel over the northern part of South Dakota for the McCaull-Dinsmore Co., of Minneapolis, Minn. He will make his headquarters in this city.

Altamont, S. D.—Grange Elvtr. & Supply Co., incorporated; capital stock, \$25,000. An elvtr. has been rented and grain, coal and other commodities will be handled. I am mgr.—A. P. Jasinski.

Crocker, S. D.—H. Newell is now agt. of the elvtr. of E. W. Ketchum, relieving E. Skavang, and I have taken charge of the elvtr. of the Pacific Elvtr. Co., relieving Otto Rasmussen.—L. Anderson.

Ree Heights, S. D.—The recently organized Farmers Elvtr. Co. has purchased and taken possession of the elvtr. of G. W. Van Dusen & Co. for \$3,000. R. S. Mead, of Miller, has been engaged as mgr.

Holmquist, S. D.—Lars A. Handeland will succeed O. C. Beck as agt. of the Geo. C. Bagley Elvtr. Co. Mr. Beck will take charge of the elvtr. of the Norman & Mohn Elvtr. Co. at Havana, N. D.

Betts sta. (Mitchell p. o.), S. D.—Farmers Co-operative Union Elvtr. Co., incorporated; capital stock, \$10,000; incorporators, J. C. Lehan, J. E. French and Albert Stevens. It bot and took possession Aug. 16 of the elvtr. of A. H. Betts.

Saranac sta. (Madison p. o.), S. D.—Farmers Elvtr. Co. incorporated; capital stock, \$25,000; incorporators, Thomas Odell, Zella and Gertrude Steele.

Chester, S. D.—S. Gregory, who has been with the Farmers Elvtr. Co. for the past 4 years, has bot and taken possession of the elvtr. of W. H. Kellogg & Son. He is operating the elvtr. under the name of the Chester Grain Co. and is handling coal in connection.

Mansfield, S. D.—The Mansfield Farmers Elvtr. Co. is building a 30,000-bu. elvtr., covered with galvanized iron, and coal sheds, on the site of the old house. It will have 16 bins and will be equipped with a cleaner and an automatic scale.—John G. Smith, mgr.

Hartford, S. D.—A. F. Brenner, of the P. B. Mann-Anchor Co., before it went into the hands of a receiver, is repairing, installing electric light and power, and making other improvements in the elvtr. he recently took over from the Hubbard & Palmer Co. He is operating as the Hartford Grain Co. and is well received here.—Iver S. Henjum, mgr. Co-operative Elvtr. Co.

Frederick, S. D.—The 40,000-bu. iron clad elvtr. for which the newly organized Frederick Equity Exchange recently let contract to the Hickok Construction Co. has 16 bins and is equipped with 2 elvtr. legs, a 15-h. p. Fairbanks Oil Engine cleaner, Richardson Automatic Scale, Fairbanks Dump Scale and Coal Scale with type registering beams. The foundation is of reinforced concrete slabs with walls above to give space for light and air beneath the bins. Three offices are attached to the driveway for customers and directors. The scale beams for both the wagon and dump scales are in the buyer's office. J. J. Callaghan is mgr.

Arlington, S. D.—The recently incorporated Farmers Elvtr. Co. has completed a new 40,000-bu. iron clad elvtr. on the South Dakota Central. Equipment includes 2 elvtr. legs, a Fairbanks Dump Scale with type registering beam, steel framed coal scale with type registering beam, a 15 h. p. electric motor, and cleaner. There are 16 bins. The foundation is reinforced concrete slab with walls above the slab to give space for air and light beneath the bins. There are 3 offices attached to driveway for the use of the customers and for the directors. The scale beams for both the wagon and the dump scale are in the buyer's office. The Hickok Construction Co. had the contract.

SOUTHEAST

Shannon, Miss.—W. B. Redus & Sons have completed their new 7,000-bu. elvtr.

Newport News, Va.—Fire destroyed the Chesapeake & Ohio Elvtr., "A," one of the largest in the United States, Sept. 4, with a loss estimated at \$2,000,000. It has been operated night and day since the beginning of the war, in the shipment of grain chiefly to Great Britain. The Chesapeake & Ohio Ry. has declared an embargo on all grains except wheat.

Mobile, Ala.—The Mobile & Ohio R. R. has offered the Chamber of Commerce or any individual or company the use of its elvtr. which has not been used for years. The conditions are that the elvtr. shall be put in first-class condition and a contract entered into to operate it for 15 or 20 years. Nothing has been done as yet regarding the offer as the cost of repairing the house would be very great and it is too far from shipside to be of much value.

Ocala, Fla.—We have leased a warehouse and are installing machinery for cleaning, drying, and shelling corn, and a mill for making meal. We hope to be able to handle a large portion of the corn crop of this and adjoining counties. The project is an experiment, and it is our intention to build an elvtr. and warehouse for permanent business, if the present results warrant. The report that we were building an elvtr. seems to have gotten out by means of a newspaper story.—Louis H. Chazal, vice-pres., Louis R. Chazal & Sons Co.

TENNESSEE

Athens, Tenn.—The Athens Roller Mills is equipping its plant with a new manlift.

Memphis, Tenn.—John Wade & Sons are building a 500-bbl. flour mill at a cost of approximately \$75,000.

Memphis, Tenn.—Russell Dance, of the Corinth Grocery Co., has applied for membership in the Merchants Exchange.

Chattanooga, Tenn.—Cain & Co., has been organized with a capital stock of \$10,000 to handle grain, flour and provisions.

TEXAS

Plano, Tex.—The Plano Grain & Ice Co. has been dissolved.

Shamrock, Tex.—J. E. Morgan has installed an oil engine in his plant.

Beaumont, Tex.—The Tyrrell-Rice Mlg. Co. is putting a manlift in its new plant.

Waco, Tex.—Clement Grain Co. incorporated; capital stock, \$100,000; incorporators, C. C. Edwards, P. E. and J. M. Clement.

Odem, Tex.—The Odem Mlg. Co. is building a corn mill and elvtr. on the St. L. B. & M. Ry. with a capacity of 2,500 bus. daily.—X.

Edinburg, Tex.—We have put our new elvtr. and sheller in operation.—W. R. Montgomery, sales mgr. Edinburg Grain & Mlg. Co.

Frisco, Tex.—The West Collin Grain Co. has succeeded the Frisco Grain & Elvtr. Co. which is now out of business. I am mgr.—F. R. Shrader.

Seymour, Tex.—We have succeeded the Whiteside Grain & Coal Co. and operate a 25,000-bu. elvtr. and warehouse.—M. R. Fuller, Fuller Grain Co.

Pharr, Tex.—The Pharr Mill & Elvtr. Co. incorporated; capital stock, \$50,000; incorporators, George E. Thomas, John C. Kelley and R. E. Brooks.

Amarillo, Tex.—Another elvtr. and warehouse for this city are being discussed, the proposed elvtr. to be in units of 500,000 bus. with the prospect of building the initial unit this year.

Abilene, Tex.—The Abilene Storage Co. has been organized by Jesse R. Cope and Will Daniels. It will do a general storage business and will buy grain and handle the products of the Seymour Mlg. & Elvtr. Co.

Whitewright, Tex.—The Whitewright Mill & Elvtr. Co. incorporated; capital stock, \$25,000; incorporators, T. H. Sears, J. P. Sutherland and M. G. Davis. The company opened its plant for business recently.

El Paso, Tex.—The United Sales Co. has succeeded the Schuster-Sirmans Co. C. P. Hostetter, formerly with Runkle & Peacock, is a member of the new company which will handle grain, grain products and flour.

Galveston, Tex.—The embargo on freight shipments of all kinds which had been in effect on the port of Galveston since the hurricane of Aug. 17 was raised Aug. 29 by J. R. Koontz, general freight agt. of the Santa Fe.

Temple, Tex.—The Sunset Mlg. Co. has started the operation of its 150,000-bu. steel elvtr. and 150-bbl. mill, which have been thoroly overhauled and rebuilt. The machinery is driven by a 25-h. p. electric motor.

Clifton, Tex.—The Clifton Mill & Elvtr. Co. has been formed with a capital stock of \$25,000 by J. F. Weiser, of Hico, and others to take over the elvtr. and mill at this station which has been idle for some time. Operations will begin as soon as the machinery is overhauled and modern equipment installed, which will be about Oct. 1.

Krum, Tex.—Gas accumulating since the fire Aug. 1 which destroyed the plant of the Krum Mill & Elvtr. Co., exploded Aug. 8 and blew out the top of the steel elvtr. The wheat had been removed from the elvtr. and the opening from beneath caused the smoldering fire to create a draft, thus causing the explosion. No one was injured.

Crosbyton, Tex.—We would like to have bids on a 10,000-bu. elvtr.—C. B. Live Stock Co.

Fort Worth, Tex.—W. B. Stowers has filed suit against the Walker Grain Co. for \$14,410, alleging that it had failed to carry out a contract to deliver 100,000 bus. of wheat at Galveston for export, and the Texas Grain & Elvtr. Co. has sued the Julian A. Ivy Grain Co. for \$4,950 on a similar contract for the delivery of 30,000 bus. of grain at Galveston.

Galveston, Tex.—The elvtrs. damaged in the storm of Aug. 17 are being repaired. Sunset Elvtr. "A," which was partially filled with wheat, escaped with only a little damage to the top. Sunset Elvtr. "B" had the roof blown off and the loading spout completely demolished. Wheat from this elvtr. is being loaded out thru Elvtr. "A." The conveyor was blown off the Star Elvtr. Work of repairing is going forward rapidly.

Galveston, Tex.—Under the belief that wheat valued at \$150,000 can be saved from water damage by the Galveston Wharf Co., H. B. Dorsey, sec'y of the Texas Grain Dealers' Ass'n, has written the wharf company, asking that the grain be stored in warehouses and later in elvtrs., where it will have every opportunity for proper curing by contact with the air. The grain was damaged by water during the tropical storm of Aug. 17 and 18.

UTAH

Ogden, Utah.—The Utah Cereal Co. will have its elvtrs. and main buildings completed by Oct. 1.

WASHINGTON

Wilbur, Wash.—The Columbia River Mfg. Co. reopened its elvtr. Sept. 1.

Kennewick, Wash.—We operate a warehouse at this point.—R. E. Pratt, Empire Grain Co.

Ringold, Wash.—A company will probably be formed here and a wheat warehouse built at a cost of about \$2,000.

East Stanwood, Wash.—The Stanwood Grain Co. has built a 40x60-ft. coal shed and will handle coal in connection with its grain business.

Tacoma, Wash.—Edward Noonan, general mgr. of the Puget Sound Grain Co., will act as general mgr. for the Pacific Coast Elvtr. Co. as well, succeeding the late Robert Kennedy.

Ritzville, Wash.—The warehouse of the Balfour-Guthrie Co. burned Aug. 7 with a heavy loss. There were about 60,000 bus. of wheat in it at the time of the fire which was practically covered by insurance.

La Crosse, Wash.—M. P. Casseday, agt. of the Pacific Coast Elvtr. Co. at Willada for several years, has been promoted to succeed R. C. Kennedy, who resigned as agt. on account of the death of his father who had been general mgr. of the company.

Seattle, Wash.—Members of the Public Service Commission have failed to agree on the petition of the Merchants Exchange for the abrogation of the \$2 railroad diversion fee on changes of consignments of grain and hay en route and the suspension has expired.

Tacoma, Wash.—The public service commission has approved the following rules: Red Russian wheat will only be required to test 57 lbs. to grade No. 1, instead of 58 lbs., as former rules provided. Martin Ander, Early Bart and Red Allen will be classified as bluestem. The use of "degree" in designating the amount of smut in wheat will be discontinued and the term "percentage" substituted. Where inferior types of wheat are mixed with superior types the sample will be graded as being of the superior type and a dockage in pounds placed to cover the difference in value of the admixture. Where a shipment of a car of wheat contains grain of different test weight per measured bushel, but of the same type, an average sample will be drawn and the test weight of the sample thus procured will be taken to be the test weight of the lot and so graded.

Willada, Wash.—J. H. Hare, agt. of the Pacific Coast Elvtr. Co., at Mockonema, which is only open part of the time, has been promoted to succeed M. P. Casseday as agt. for the company here.

WISCONSIN

Askeaton, Wis.—The A. G. Wells Co. is making repairs on its elvtr.

Shawano, Wis.—The Upham & Russell Co. has completed its new elvtr.

Cylon, Wis.—Arthur Martin has been retained as mgr. of the Cylon Elvtr. Co.

Curtiss, Wis.—I succeeded the Curtiss Produce Co. Sept. 1.—John V. Sturner.

Sturgeon Bay, Wis.—Teweles & Brandeis are making extensive repairs on their elvtr.

Sawyer, Wis.—Alfred Neuvill has been placed in charge of the new elvtr. of B. Lyon.

Osceola, Wis.—Work is progressing on the new elvtr. of the Osceola Mill & Elvtr. Co.

Paskin, Wis.—The Farmers Grain Co. has completed its new elvtr., coal shed and lime house.

Forestville, Wis.—The Cargill Grain Co. has opened its elvtr. with Cyril Hobreck, of Red River, as agt.

Fall Creek, Wis.—Niebuhr & Son have equipped their elvtr. with a Hall Signaling Grain Distributor.

Cleghorn sta. (Eleva p. o.), Wis.—Jones Bros. will establish a feed mill in connection with their elvtr.

Amherst, Wis.—L. A. Calkins is building an elvtr. and warehouse and will handle grain, flour and feed.

Chili, Wis.—The Equity Elvtr. Co. has let contract for an elvtr. and flour warehouse to cost about \$3,500.

Mapleton sta. (Oconomowoc p. o.), Wis.—Calvin J. Jones, of Dousman, has bot the elvtr. of Bernhard Brierton.

Rice Lake, Wis.—The E. Craite & Son Mfg. Co. is completing a warehouse basement for fruit and other produce.

Downing, Wis.—Arthur Heinsohn has succeeded D. Vandermade and is operating a 4,000-bu. elvtr. on the Soo.—X.

Ridgeland, Wis.—The Osceola Mill & Elvtr. Co. will build an elvtr. and potato warehouse on the site formerly occupied by me.—W. F. Grover.

Superior, Wis.—The Wisconsin Grain & Warehouse Commission has enlarged its force of grain inspectors and weighmasters.

Madison, Wis.—Section 172 of the Wisconsin Statutes has been amended to provide that there is annually appropriated from any moneys in the general fund not otherwise appropriated \$785,000 to the state highway commission as state aid for highways.

Superior, Wis.—The Great Northern Ry. will build 2 elvtrs. south of Elvtr. "S" and its annex on the site of former Elvtr. "A." One of the houses will be used for handling and the other will be the first unit of a vast system of concrete storage bins. Plans call for a handling house of 1,200,000 bus. capacity and a storage elvtr. with an initial capacity of 2,500,000 bus. Work will not be started until next spring.

MILWAUKEE LETTER.

The Com'lte on Finance has fixed the interest rate on advances during this month at 6% per annum.—H. A. Plumb, sec'y Chamber of Commerce.

The Charles A. Krause Mfg. Co. has let contract for a 54x126 ft. two story steel and corrugated iron warehouse and an 80x140 ft. concrete reservoir.

Contract for the 2,500,000-bu. elvtr. of the Chicago & Northwestern Ry. has been awarded the Barnett & Record Co. While details of construction are not yet available it is known that the house will have no marine leg, but will instead be equipped with a pneumatic vessel unloading device of great capacity. Work on the foundation has already been started.

E. A. Bowles, Walter A. Teipel, P. E. Stroud and Robert G. Bell have been admitted to membership in the Chamber of Commerce, and the memberships of Harry Berger, Chester L. Sampson and the estates of John Hannan, Wm. Froedtert and B. G. Ellsworth have been transferred.

WYOMING

Worland, Wyo.—The Washakie Trading Co. is building a 20,000-bu. elvtr.

Hillsdale, Wyo.—The Peoples Co-operative Grain Co., which recently let contract for an elvtr., has been incorporated with a capital stock of \$25,000.

Supply Trade

By rational optimism in our business let us contribute to the onward rush of prosperity, and by preparedness participate in its flood-tide.—H. W. Gossard.

CHICAGO, ILL.—The 3 Americas Co. has moved its offices to larger quarters in the Gas Bldg.

If your business is running itself, it's probably running down hill. To make business run uphill—advertise.—P. & McK.

It is NOT a question of price. Advertising bought below par is a mighty poor investment if it doesn't yield dividends.—Montreal Star.

INDIANAPOLIS, IND.—Chas. Robinson has accepted the agency for the Englehart Spout Holder made by L. E. Taylor & Co., Minneapolis, Minn.

MAROA, ILL.—The Maroa Mfg. Co. has recently issued a very attractive catalog containing illustrated descriptions of its Boss Air Blast Car Loaders.

MINNEAPOLIS, MINN.—The Minneapolis Sheet Metalworks have ready for mailing a new catalog illustrating and describing their complete line of sheet metal articles.

CHICAGO, ILL.—J. Cooper Strattan, who has been connected with the Burrell Engineering & Construction Co. for a number of years, has severed his connection and is now associated with the 3 Americas Co.

CHICAGO, ILL.—William Graver, pres. of the William Graver Tank Works, died Sept. 8 at his home in this city. He was born at Chambersburg, Pa., in 1842, and came to Chicago in 1884, where he founded the business bearing his name, and was a pioneer in the manufacture of large steel tanks for grain elevators, oil and gas storage.

MINNEAPOLIS, MINN.—L. E. Taylor & Co. report a lively business in the sale of the Englehart Spout Holder, the following recent sales being made: Forest Hill Elvtr. Co., Forest Hill, Mich.; Farmers Elvtr. Co., Brainard, Neb.; C. A. Knouse, Kinney, Neb.; W. E. Stocker, Miami, Tex.; Star Elvtr. Co., Jamestown, N. D. (8); Neola Elvtr. Co., Maxwell & Manila, Ia., and Wilsman, Ill.; T. H. Cousins, Carrington, N. D.; J. A. Monch, Dawson Park, Ill.; J. E. Rule, Clayton, Kan.; Eagle Roller Mills Co., Balaton, Minn.; C. A. Carlson & Sons, Arlington, S. D.; F. W. Berg, Hetland, S. D.; Colo. Elvtr. & Mfg. Co., Denver, Colo.; St. Anthony Mfg. & Elvtr. Co., St. Anthony, Ida.; Farmers Elvtr. Co., Geyser, Mont.; Farmers Elvtr. Co., Outlook, Mont.; G. A. Forsee, Falun, Kan.; Centerton Grain Co., Centerton, Ind.; Farmers Elvtr. Co., Rydal, Kan.

CHICAGO CALLERS—Fred W. Kennedy, Pres. Kennedy Car Liner & Bag Co., Shelbyville, Ind.; Geo. E. Traut, repts. Grain Dealers Nat'l Fire Ins. Co., Indianapolis, Ind.

MILWAUKEE, WIS.—In a decision made by Judge Geiger in the U. S. District Court, a patentee-manufacturer has the right to fix the resale price of a patented article. The case will be taken to the Supreme Court, as there has been considerable difference of opinion as to the exact meaning of decisions made previously by the Supreme Court in similar cases.

FARIBAULT, MINN.—The Nutting Truck Co. reports the following recent sales of its Humphrey Improved Employee's Endless Belt Elevator: Smith Agri. Chemical Co., Charlotte, N. C.; Diamond Crystal Salt Co., St. Clair, Mich.; Ben Grote, Clyde, Wash.; Lexington Mill & Elvtr. Co., Lexington, Neb.; Tyrell Rice Mfg. Co., Beaumont, Tex.; Bay State Mfg. Co., Winona, Minn.; Glade Valley Mfg. Co., Walkersville, Md.; Great Northern Flour Mills Co., St. Cloud, Minn.; Athens Roller Mills, Athens, Tenn.; Spaulding Elvtr. Co., Warren, Minn.; Western Maryland Elvtr. Co., Winans Cove, Md.; Port Covington, Baltimore, Md.; Crookston Mfg. Co., Crookston, Minn.; Sheffield-King Mfg. Co., Faribault, Minn.; C. E. Grosjean, San Francisco, Cal.; Topeka Mill & Elvtr. Co., Topeka, Kan.; W. M. Atkins Flour Mill, Minneapolis, Minn.

Grain Dealers and Millers at Lake Maxinkuckee.

For the annual outing of the Indiana Grain Dealers and the Indiana Millers' Ass'ns at Lake Maxinkuckee, Sept. 4, 5 and 6 a good number turned out prepared to have a good time.

On account of the steady rain most of the time was passed at the hotel, one trip being made thru the grounds of the military academy and one trip over the lake in a large gasoline launch. Sunday evening was passed in the hotel parlor, the members being entertained with tricks by Bert A. Boyd, vocal music by Mrs. Sinex, recitations by J. P. Shoemaker and a Victrola. Saturday evening the dealers attended a moving picture show at the military gymnasium given by the Lyman-Howe Co., which was instructive and comic.

NOTES.

G. Arms, Lansing, Mich., represented the Michigan Millers Ins. Co.

A. M. Wallace, rep. Adams Bag Co., distributed de luxe memorandum books.

C. A. McCotter and C. B. Sinex of Indianapolis represented the Grain Dealers National Ins. Co.

H. H. Deam of Bluffton wired that he could not attend, as his niece was undergoing a surgical operation.

Supply men: A. S. Garman, Akron, O.; F. H. Morley, Chicago, rep. Invincible Grain Cleaner Co.; L. M. Smith, Chicago; N. C. Webster of Chicago, rep. Richardson Scale Co.

Among the receivers represented were: C. A. Bartow, Buffalo, rep. Electric Elevator Co.; J. M. Brafford, Indianapolis; Bert A. Boyd, Indianapolis; J. E. Coope, rep. David Stott Mills, Detroit; Sam Finney and Morton Finney, Chicago; Pliny Gale, Cincinnati; L. G. Lederer, Baltimore; F. J. Schonhart, Buffalo, rep. Electric Elevator Co.; T. W. Swift, Detroit, Mich.; Geo. L. Stebbins, Chicago, rep. Sowers Grain Co.; Ed. K. Shepperd and Joe T. Gehring of Indianapolis, rep. the Cleveland Grain Co.

In Attendance Were: C. A. Ashpaugh, Terhune; Chas. Aywood, New Richmond; B. W. Baker, Crawfordsville; A. E. Betts, Frankfort; Arthur Castleman, Culver; O. A. Dutchess, Walton; A. A. Flora, Flora; W. B. Foresman, Lafayette; Bill Frank, Frankfort; J. T. Higgins, Lafayette; A. B. Hinshaw, Nora; F. L. Hunt, New Richmond; E. W. Korty, Lafayette; J. H. Marlow, Wabash; Albert A. Reep, Medaryville; Chas. B. Riley, sec'y, Indianapolis; Frank Strange, Frankfort; J. P. Shoemaker, Daleville; R. S. Stall, Thorntown; W. S. Suckow, Franklin; C. W. Sims, Frankfort; J. G. Sweitzer, Union Mills; E. M. Truman, Lafayette; A. W. Walls, La Crosse; J. A. Washburn, Remington, and F. C. Williams, Indianapolis.

Ladies: Mesdames C. A. Ashpaugh, Lucille Ashpaugh; A. E. Betts, J. T. Higgins, A. B. Hinshaw, Thelma Hinshaw, F. L. Hunt, J. H. Marlow, C. A. McCotter, C. B. Riley, F. J. Schonhart, J. P. Shoemaker, C. B. Sinex, G. L. Stebbins; J. A. Washburn, P. Washburn, Grace Washburn.

THRESHING CREWS in North Dakota have been persuaded by the I. W. W. to go on strike. By co-operation of the unskilled laborers the Industrial Workers of the World believe they can force higher wages on the farm.

THE HARVESTING of wheat from row boats near Ashland, O., is reported by a daily paper of that state, which says the harvesters are rowing about the fields clipping off only the heads of the plant, leaving the stalks until such time as the water may recede. The name of the little railroad traversing this section is also given, with the statement that the odd sight may be seen from the car windows. The press agent who can invent stuff of that character should not be wasting time with a railroad; he would do better in the employ of a high priced movie star.

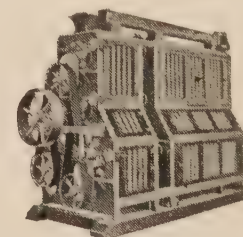
Michigan Elevator Men

Make Money Milling Flour

Turn Waste Power, Space and Labor into Good Profit

Messrs. Sprague & Ward, St. Johns, Mich., did not feel they were making enough money out of their grain elevator and feed mill. So they thought they would put in a flour mill, which, they understood, would be the most profitable thing for them to do, as well as supplying a need in their town.

They learned of the "Midget" Marvel Mill, which so many other grain and



The "Midget" Marvel

elevator men have put in, for converting their waste power, waste space and waste labor into a good big round profit. Neither had ever had any milling experience, but in December, 1914, they put in a 25-barrel "Midget" Marvel, which after 8 months had paid them so well and earned such a fine reputation for making good flour, that they were compelled to order a 50-barrel "Midget" mill, which is now being installed.

Their operator, Mr. Fred Ansley, had never had any milling experience either, but after having been instructed by our Mr. Wolcott, the genial "Midget" Marvel agent in that section, he became an expert, and his flour was so satisfactory that within two months he was running the mill night and day.

Mr. Ansley was so well pleased with the "Midget" Marvel that he organized a company at Durant, Mich., and is going to install a 25-barrel "Midget" Marvel mill there as a starter. Messrs. Sprague & Ward will not have any trouble finding a man to take his place, as the "Midget" Marvel requires so little attention that most anybody can run it, without much instruction.

Write today for our interesting free book, "The Story of a Wonderful Flour Mill," which tells all about this marvelous "Midget" Marvel mill wonder that is revolutionizing the milling business. It gives estimates, prices, terms, etc. Write for it today.

Anglo-American Mill Co.
Incorporated
435 Fourth St., OWENSBORO, KY.

GRINDING TESTS

are being conducted by Mr. J. T. Lawler, at the San Francisco Exposition in the Palace of Food Products Building, S. E. Corner Court Place, with the "Baby Midget," and three "Midgets" on exhibition.



Good Cheer Prevailed on the Boat Ride Despite the Perpetual Rain at Lake Maxinkuckee.

Supreme Court Decisions

Arbitration.—Where arbitrators have returned an award in a pending suit, they are powerless to subsequently modify it, since their authority ceases upon the return of the award to the court.—*Black v. Woodruff*. Supreme Court of Alabama. 69 South. 97.

Crop Lien.—Under chapter 114, Session Laws 1910-11, which gives laborers a lien "on the production of their labor," a cook who prepares the meals for the men who thresh a crop of wheat has no lien on the wheat threshed, or the money for which it was sold, by reason of such services.—*Williams v. Black*. Supreme Court of Oklahoma. 150 Pac. 879.

Declaring Value of Shipment.—Where a carrier, under its tariffs filed with the Interstate Commerce Commission, has two rates on a certain commodity, one applicable when the value of the commodity is declared by the shipper not to exceed a specified amount, and the other when the value is declared to exceed that amount, or is not declared at all, a shipper, who has declared the lower value and thereby obtained the lower rate, is estopped, in case the property is lost, from recovering on the basis of a higher valuation.—*American B. S. & F. Co. v. Pere M. Ry. Co.* U. S. District Court, Michigan. 223 Fed. 1018.

Liability for Freight Charges.—A shipper who takes a B/L in his own name as consignor, and who does not at the time disclose his agency nor put the carrier on notice that he is acting as agent of another in making the shipment, and not dealing with the goods on his own account, impliedly contracts to pay the freight, and the carrier, having no knowledge to the contrary, may deal with the consignor as owner of the shipment, and the consignor cannot escape liability for freight by informing the carrier after the refusal of the consignee to accept the shipment that he acted as agent in making the shipment.—*C. N. O. & T. P. Ry. Co. v. Vredenburg*. Court of Appeals of Alabama. 69 South. 228.

Consignee's Liability for Freight.—Oranges were consigned to a commission merchant for sale, he, after paying his commission and the freight, to remit the proceeds. Through mistake the railroad company made an undercharge, but the commission merchant refused to make good the undercharge, having already transmitted the proceeds to the shipper. Held, that as the railroad company was entitled to rely on the presumption that the consignee is the owner of the shipment, the commission merchant, who had not, before transmission of the proceeds, informed the railroad company it was not the owner, is liable for the undercharge.—*S. F. Cornelius & Co. v. Central of Georgia Ry. Co.* Court of Appeals of Alabama. 69 South. 331.

Shipping Contract Subject to Weather Conditions.—In an action for damages for breach of contract of sale providing that "40 tons of this hay to be loaded as soon as cars can be secured for the loading and weather permitting the said hay to be loaded * * * and the other 60 tons * * * to be shipped out in 90 days; car service and weather conditions also as above stated," held, that by the terms of the contract it was contemplated that the hay should be delivered within 90 days if it was practicable to do so under the prevailing condition of the weather, and not that it should be delivered within that time regardless of the very contingency for which provision was made.—*Norton v. Huffine & Co.* Supreme Court of Oklahoma. 150 Pac. 1099.

Elevator Manager Has No Authority to Buy Bank Stock.—That the secretary and manager of a domestic corporation engaged in the business of buying and selling grain, lumber, and coal, and conducting a line of elevators, had authority to draw and sign checks in the name of the company, and to transact the business in which the company was engaged, did not authorize the owner of bank stock to assume that such manager had authority to purchase such bank stock with the company's funds.—*Porter v. Lien*. Supreme Court of South Dakota. 153 N. W. 905.

Endless Belt Elevator for Employees.

Grain elevators and mills are invariably built with machinery both at top and bottom and the constant running up and down stairs to superintend and care for the operation of the machinery is an unnecessary tax on the strength of the operatives. The irksomeness and fatigue of stair climbing has been done away with in all up-to-date plants by the installation of an employees' lift, such as the Humphrey Employee's Elevator, shown in the engraving, which is one of the greatest labor saving and efficiency devices known in these respective industries.

This elevator consists of a wide endless belt running over heavy pulleys from the bottom to the top of the plant. At proper intervals on this belt are fastened steps which are made to travel in guides, up one side and down the other, of a substantial framework. The steps are of a proper size to carry a man and handles are provided at convenient places above these steps for the purpose of furnishing additional support.

The machine is run continuously at a moderate rate of speed while the plant is in operation and those whose duties require them to travel from floor to floor can step on and off the elevator steps with convenience and safety. One side is used for ascending and the other for descending, and any number of men that are likely to wish to go up or down at the same time can be accommodated without interference or confusion.

The machine is driven at the top by a worm and gear which is a safeguard against the elevator racing or running ahead or backward in case of an accident to the driving mechanism. The worm driving gear is completely encased in a metal housing and runs in a bath of lubricating oil.

The elevator can be stopped or started from any point up or down the machine by pulling a rope and an additional safeguard against accident is now provided in the form of a patent positive lock stop device operated in connection with the belt shifting device.

Very little power is required to drive the elevator and it requires no attention beyond occasional lubrication of the moving parts. It can be installed by any millwright or man accustomed to setting up machinery, as full instructions are sent with each machine for providing holes in the floors and making the installation.

Obvious among the many points of advantage and economy of this unique piece of equipment are: the fact that the time, energy and spirits of the men are greatly conserved, contributing to more efficient superintendence and operation of machinery throughout the plant, due to the frequent and easy access of foremen and workmen to the different floors. The men being able to divide their time over

several floors the necessity for additional help is invariably avoided, effecting a material saving in operating expense.

Incidentally, but of great moment to the business is the fact that the more frequent reporting of men on the different floors is a strong safeguard against fires. Insurance companies recognize the importance and value of the service and make a credit for it in making up the rate on each risk.

The machine is made in two styles—namely—a standard wood and iron construction for all ordinary installations and an all metal construction for fireproof buildings. The Nutting Truck Co., manufacturers of the Humphrey manlift, has issued an interesting folder describing the machine and its advantages in detail, together with dimensions. A copy will be sent to readers of the Grain Dealers Journal upon request.



A Progressive Kansas Manager.

D. J. Razlaff, manager of the Inman Farmers Elevator Co., of Inman, Kan., is one of the most successful and progressive managers in the state. He has had long experience in the grain business and has made a financial success of the elevator at Inman, handling coal, flour, feed and grain.

The plant he operates is up-to-date of 15,000 bus. capacity and is equipped with automatic scales. Last year Mr. Razlaff handled 365,000 bus. wheat, 7 cars of oats, 3 cars of corn, and 18 cars of coal. He will handle considerably less wheat this year owing to loss by rain and fly. A portrait of Mr. Razlaff is given herewith.



D. J. Razlaff, Inman, Kan.

BRAZIL recently held its first national corn show at Sao Paulo, and the exhibition met with much success. It was held under the patronage of the State Minister of Agriculture and was attended by growers from nearly every state, most of whom took advantage of the occasion to supply themselves with high-grade seed corn for the next planting. Among the many handsome premiums awarded were many American agricultural machines.

THE ARGENTINE GOVERNMENT has authorized the purchase of seed to the extent of \$636,900 for distribution among intending cultivators. This is made up of wheat, linseed and rice seed, 150 tons of the latter having been acquired. A carefully selected consignment of rice was procured from Japan. That grain is now cultivated on 12,350 acres and the government believes that if 25,000 acres were used for that purpose all home consumption could be met.

WET HARVEST is a great calamity. Conditions are worse than any recent season. Many now realize it is a freak year. Some wheat will be fit only for hogs of the four-legged variety. Chickens will also chuckle. Winter wheat millers and grain dealers will be thankful if they can make expenses. They can average up with last year. Wheat must go thru a sweat before it is safe to store. Quality would have been excellent if it had not been for the wet harvest. The berry is as plump and beautiful as any bright-eyed, blushing maiden. Damp wheat takes on moisture in damp weather. Blame His Satanic Majesty. Do not curse the terminal markets. Buy right or you will buy trouble.—C. A. King & Co.

HESS DRIERS

dry all kinds of grain or seed with warm air, and cool it with fresh, cool air, from out-of-doors. The effect is beneficial in every way. The moisture content is reduced to any required percentage; all molds and odors are removed. The grain is brightened and sweetened. The shrinkage is accomplished without the slightest detrimental effect; in fact, so beneficial is the process that seed dealers everywhere are using HESS DRIERS for curing their best seeds, and the device is also used in the Seed Laboratory of the Department of Agriculture, at Washington. This Department, by experiments, has proved that HESS DRYING strengthens and quickens the germination of seed and increases the yield of grain.

The improvement of all kinds of grain for storing, shipping and milling is so well known and understood that HESS DRIERS ARE USED EVERYWHERE. From Montreal to Galveston, every Atlantic and Gulf port, exporting grain, is equipped with large HESS DRIERS, and HESS DRIED CORN for export commands a premium.

The largest grain dealers and all of the grain handling railroads, at interior points, are equipped with HESS DRIERS, as well as very many mills and country elevators, etc.

HESS DRIERS are made in eleven regular sizes, suitable for all requirements, from the smallest mill to the largest export elevator. A large supply of driers and material are always on hand, ready for instant shipment. We have promptly met a large demand for new driers from mills and elevators to dry the present crop of damp wheat. The immense amount of immature soft corn which is certain to follow will mean a large profit to the owners of HESS DRIERS who are equipped for handling this crop.

Hess Outdoor Grain Conditioners

(PATENTED JUNE 1, 1915)

save grain from deterioration by exposing it to the action of sun, wind and fresh air, outside of the elevator.

The grain is tumbled and turned, out-of-doors, in a manner which frees it from superficial moisture, cools it to normal temperature, polishes and brightens it, removes mustiness, and in every way improves the grain. It requires no heat nor power and occupies no space in the elevator. This is new, but a decided success. Sold on thirty days' trial, and costs from \$75.00 upward.

Brown-Duvel Moisture Testers, with copper or glass flasks

We make them in three sizes, with two, four or six burners. Copper flasks are heated with gasoline, alcohol, gas or electricity; glass flask testers with gas, alcohol or electricity.

The Moisture Tester is essential in buying and grading grain. It takes twenty minutes only to determine the percentage of moisture, and you are safe-guarded from paying the grain price for water. It satisfies the seller, for he can witness the operation and see the actual water with his own eyes. Our testers are in use in every locality.

Write, wire or telephone for printed matter and full information. Hess service is the quickest thing you know.

HESS WARMING & VENTILATING CO.

907 Tacoma Bldg.,

CHICAGO, ILL.

Patents Granted

Grain Elevator. No. 1,152,371. (See cut.) A. F. Meyer, Morton, Ill. A chain with lifting and discharge runs is placed in an elevator having a vertical leg and strips overlying the discharge runs provide a guiding means for the chain. A triangular member with a curved edge guides the conveyor from the lifting run to the discharge run.

Corn Drier and Tester. No. 1,152,329. (See cut.) Henry McCabe, Decatur, Ill. An ear supporting rack is placed in combination with a casing and a central space is adapted to extend between the supported ears. A heater is suspended within this space and a heat distributing pan at the upper end of space communicates with a water tray above the heater. A seed tray is placed above the water and co-operating means are provided to support the kernels.

Grain Trier. No. 1,152,133. (See cut.) E. J. Wareham, Chicago, assignor of one-half to C. L. Edell, Chicago. A plurality of ports are cut into a tubular body, some of the ports being out of line with others, and in line with at least one other port. A valve is slidable longitudinally on the body, the valve also having a plurality of ports, one above the other, two of the valve ports being in line with one line of ports in the tubular body. Other valve ports are in line with other lines of ports in the body.

Dust Collector. No. 1,152,125. (See cut.) G. F. Sherwood, New Orleans, La. A dust collector casing is provided with a tangential inlet adjacent to its upper end, an air outlet at the top and a dust outlet at the bottom. A tubular guard is associated with the air outlet and whirl interrupting deflectors with radially outer edges shaped conformably with the proximate wall of the casing. Inside the casing is provided a free chamber below the guard wherein the air may form a vortical whirl adjacent to the dust collector.

Freight Car Seal. No. 1,151,183. (See cut.) C. F. Hradecky, Fleming, Colo. A cylinder is provided with a central recess extending from one end to a point a little short of the other end. The cylinder is halved longitudinally to provide a slot communicating with the recess, within which is located a spring. A locking finger at one end of spring intersects the slot, engaging the closed end of the recess. The ends of a shackle are inserted within the slot and a tongue at end of shackle passes

within the recess beyond the slot. A plug closes entrance to recess and secures the tongue and spring in their relative positions.

Insurance Notes.

CHAS. H. RIDGWAY, sec'y., Western Millers Mutual Fire Ins. Co., Kansas City, was elected a vice-president of the National Ass'n of Mutual Insurance Companies at the recent convention in Minneapolis.

FIRE LOSSES as reported by the Mutual Fire Prevention Bureau for the first eight months of 1915 number 113. As usual, lightning heads the list of known causes with 18 fires and \$16,333.50 loss. Exposure and railroad hazard are second on the list with six fires each, while incendiary and lanterns are responsible for only two each. The following causes resulted in one fire each: Sparks from chimney on shingle roof, cleaning dept., hot box, overheated stove, sparks from stack, in engine room, and shaft thru bin. Causes not stated or unknown numbered 72. The total losses for the months mentioned were \$587,819.25.

THE WESTERN Factory Insurance Ass'n, at its meeting in Cincinnati last week, adopted a resolution favoring the installation of automatic sprinklers, for the reduction of the fire hazards. Automatic sprinklers, when properly installed and kept in working order, insure the extinguishing of all fires in their incipency. Cheap or partial installation of sprinklers or lack of sufficient water supply cause some persons to doubt that sprinklers are entitled to the large credit given for real protection from fire. Like any other machinery, cheap installations of sprinklers are the least dependable and the most expensive.

THE HAZARD of damp grain is being brot to the attention of policyholders by the Mutual Fire Prevention Bureau, Oxford, Mich., in a circular letter which says: The type of drier to use in conditioning grain is that which keeps the grain moving while a current of either hot or dry air is brot in contact with it. Where the heat system is used a modern coil should be procured, and air taken to the coil from the outside. Standard specifications for the installation of driers will be furnished elevator operators on application to the Bureau, and when installation is made in accordance with these specifications no additional insurance charges will apply.

Books Received

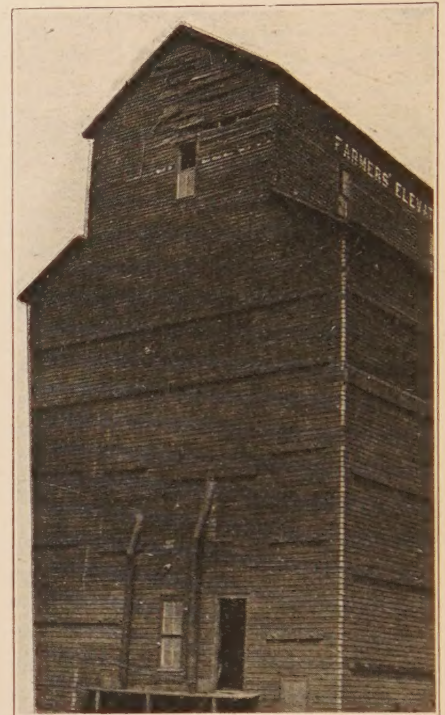
THE MILLERS ALMANACK for 1915-16 contains 240 pages of well arranged and useful information for the grain dealer, terminal market receiver, or the miller. The information includes receipts and shipments of all markets, exports, imports, rates and lists of elevators at the principal cities. The book is published by the Northwestern Miller, Minneapolis, price 50c.

REPORT OF THE ANNUAL CONVENTION of the National Hay Ass'n held July 6, 7 and 8, 1915, at Niagara Falls, N. Y., has been published in book form by the Ass'n. Much useful information for the hay trade is contained in the volume, including a complete list of all members by states, a history of the National Hay Ass'n and a verbatim report of the proceedings for the three days at Niagara Falls. The book is being distributed by Sec'y J. Vining Taylor, Winchester, Ind., in two sizes, price 35 and 50c.

Lightning Fires Elevator.

A freak stroke of lightning struck the elevator of the Farmers Grain Ass'n at Benedict, Neb., on Aug. 16, tearing off pieces of siding, ripping out shingles, and jumping about from one place to another until several small blazes were started simultaneously.

The bolt is believed to have originally struck the ridge boards on the cupola, from which position it splintered the studing in its downward course to the tin flashings over the window. From the



How Lightning Damaged an Elevator.

tin it jumped to the corner irons where the bolt divided, one section going into the ground and doing no further harm than to burn the paint from the corner of the building. This is shown in the engraving.

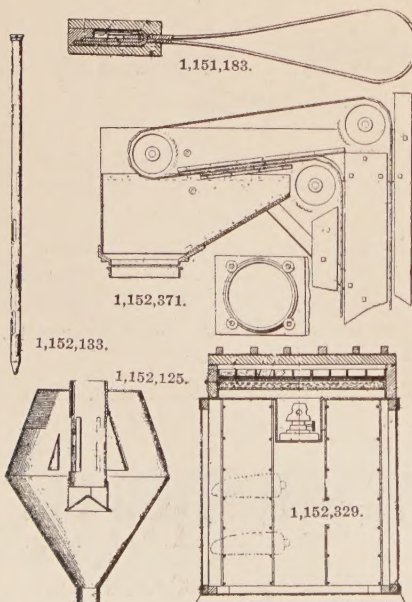
The other division of the bolt, however, jumped to the tin flashing between the cupola and the shingles, then jumped back to the corner irons and followed the first section into the ground.

The small fires were quickly put out with the aid of fire extinguishers, and A. Houston, manager, says it was not even necessary to use water. The damage was small and the loss is fully covered by insurance.

LIQUID ALFALFA has great curative properties, according to Dr. Alexander Blackwood, who recently gave the results of many years' experiment to the bureau of materia medica of the American Institute of Homeopathy at Chicago. The extract is made from common alfalfa, Medicago sativa, and he alleges it makes thin persons fat, cures indigestion, creates appetite, and dispels the blues. Five drops of the liquid are given every three hours.

**DEORIA
MEET ME AT
PLEORIA**

October 11, 12 and 13, 1915.



TRI-STATE MUTUAL GRAIN DEALERS FIRE INSURANCE CO.

of
Luverne, Minnesota

Write Elevator and Grain Insurance on the purely Mutual Plan, with *Cash Dividends Annually*.

Write the Secretary for Rates

E. A. BROWN, Pres.
H. S. GREIG, V. P.

E. H. MORELAND, Sec.
B. P. ST. JOHN, Treas.

WESTERN GRAIN DEALERS MUTUAL FIRE INSURANCE ASSOCIATION

DES MOINES, IOWA

JAY A. KING, President GEO. A. WELLS, Secretary

Write for Information
Regarding Short Term Grain Insurance



This Cabinet should be in Every Mill
and Elevator.
WE SUPPLY IT AT COST.

Lightning Can't Strike if Shinn Gets There First

Illustrated Book on Lightning Free.
Explains kind of rods that protect.
W. C. SHINN, 147 N. 16th St. Lincoln, Neb.

GALVANIZED CORRUGATED

Steel Siding, Roofing, Fireproof Window Frames, Sashes, &c.

The
**SYKES
Company**
Chicago, Ill.

Sheet Metal Contractors, Makers of Fireproof Windows. Write them if you are in the market now or if you expect to be in the future. Contracts taken anywhere in the United States.

If Your Business
isn't worth advertising
advertise it for sale.

INCORPORATED 1877

The Millers' Mutual Fire Insurance Association of Illinois

ALTON, ILLINOIS

Insures Elevators, Mills, Grain Warehouses and Contents
of same at Cost.

Insurance in Force \$24,011,664.48. Cash surplus \$531,396.68

H. B. SPARKS, President

G. A. MCKINNEY, Secretary

HOME OFFICE: Alton, Illinois

WESTERN DEPARTMENT: Mr. Rollie Watson, Mgr., 402 Sedgwick Bldg., WICHITA, KANSAS



90% OF IT

can be prevented. We are
here to solve your prob-
lems.

SERVICE FREE

to policy holders of the
following companies:

ASTONISHED!

Are you, Mr. Property-
owner, one of the 15,000
to whom this enormous fire
waste is chargeable?

YOU ARE

if you have ever had a fire.

MUTUAL FIRE PREVENTION BUREAU - OXFORD, MICH.

MILLERS NATIONAL INSURANCE CO.
OF CHICAGO, ILL.
WESTERN MILLERS MUTUAL FIRE INSURANCE CO.
OF KANSAS CITY, MO.
OHIO MILLERS MUTUAL FIRE INSURANCE CO.
OF CANTON, OHIO.
PENNSYLVANIA MILLERS MUTUAL FIRE INS. CO.
OF WILKES-BARRE, PA.
MILL OWNERS MUTUAL FIRE INSURANCE CO.
OF DES MOINES, IA.
THE MILLERS MUTUAL FIRE INSURANCE CO.
OF HARRISBURG, PA.
TEXAS MILLERS MUTUAL FIRE INSURANCE CO.
OF FORT WORTH, TEXAS.
MICHIGAN MILLERS MUTUAL FIRE INSURANCE CO.
OF LANSING, MICH.
GRAIN DEALERS NATIONAL MUTUAL FIRE INS. CO.
OF INDIANAPOLIS, IND.

If you have a good thing

Tell the Grain Dealers—
They'll do the rest—

Advertising is the quickest
and best way—but it must be
the right kind of advertising.

If you have spent your good
money without satisfactory re-
sults, it's a case of wrong arti-
cle or wrong advertising.

The easiest, most direct,
most popular and most effective
way to the grain dealer is The
Grain Dealers Journal route.

Try it.

Direct Reduction Tables for Corn and Oats

Reduce any weight of corn from 100 to 5090
pounds, by ten-pound breaks, direct to bush-
els of 53 lbs.; 56, with one pound dockage for
dirt; 68, 70, 72, 75 and 80 lbs. The 56-lb table
may also be used for reducing rye and flax-
seed to bushels. Oats are reduced to bushels
of 32, 33 and 35 pounds.

Ten tables printed from large type on
card board, size 10½x11½ inches, and the
equivalent in bushels of each weight is shown
beside it, so it is impossible to get the wrong
reduction. Price, 50 Cents.

Grain Dealers Journal
315 S. La Salle Street CHICAGO, ILL.

COAL SALES BOOK

Form 44.

FOR RETAIL COAL DEALERS.

It facilitates bookkeeping and reduces the chance of error. Practically three books in one.
1. It is the original entry of all sales made. 2. It is the original entry on the scale weights. 3. It is
the journal from which the posting is done. It contains spaces for 6,000 loads. Each page is ruled
with column headings, as follows: Date, Ledger Folio, Purchaser, Gross, Tare, Net Pounds, Price
Per Ton, Amount. This book is 8½ x 14 inches and contains 150 pages of superior ledger paper.
Each page is numbered. It is well bound with best binder board, covered with cloth; has leather
back and round leather corners. Price, \$1.75. For sale by GRAIN DEALERS JOURNAL, 255 La Salle
Street, Chicago.

POUNDS TO BUSHELS

Direct Reduction Grain Tables

Prepared by the Grain Marketing Agreement, 1933

32 lbs. per bushel—OATS

Grade	100	90	80	70	60	50	40	30	20	10	0	100	90	80	70	60	50	40	30	20	10	0
100	100	90	80	70	60	50	40	30	20	10	0	100	90	80	70	60	50	40	30	20	10	0
90	90	80	70	60	50	40	30	20	10	0	90	80	70	60	50	40	30	20	10	0	90	80
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AT A GLANCE

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